

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
September
2006

Arnold Schwarzenegger
Governor
State of California

Mike Chrisman
Secretary for Resources
The Resources Agency

Lester A. Snow
Director
Department of Water Resource

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://wwwoco.water.ca.gov>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Rewvisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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The organization shown above represents staff and positions relevant to this report as of the publication date. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of September 2006.

Statewide precipitation was 140 percent of average for the 2005-2006 water year as of September 30. September 30 marks the end of the operational water year. Statewide runoff was 170 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: <http://cdec.water.ca.gov/snow-rain.html>.

On September 30, 2006, total storage in major SWP reservoirs was about 4.437 MAF, compared with about 4.897 MAF at this time in 2005. The average storage in the major SWP reservoirs at the end of September, 2006, was about 4.706 MAF. The September 30 storage at Lake Oroville was about 2.833 MAF as compared to 3.256 MAF at this time last year, in 2005. The State's share of San Luis Reservoir storage was about 911 TAF, as compared with 926 TAF at this time last year. On September 30, the combined storage in our southern reservoirs was about 573 TAF, compared with about 620 TAF at this time last year.

There were two minor earthquakes reported by DWR staff during the month of September, the 1st and the 27th. No facilities were found to require inspection.

Endangered Species Summary (Skinner/Tracy Fish Facility), Delta Smelt Update, season total for month ending September, 2006, was SWP 24, CVP 312, for a total of 336.

Robinson Riffle temperatures for September 2006 averaged 56 degrees with a maximum of 58 and a minimum of 54 degrees. The daily average temperature did not exceed the maximum of 65 degrees.

Through September, SWP water deliveries for 2006 were about 3.96 MAF. This is a combination of project, transfer, and exchange waters. This is the same amount that was delivered during the same period in 2005.

The Coordinated Operations Agreement (COA) remained in "Excess" conditions throughout the month of September. The end-of-month USBR-COA was 0 CFS.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

September 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Aug 31	4999.48	20,286									
1	4999.53	20,330	44	20	0	0	0	2	22	44	
2	4999.47	20,277	-53	20	0	0	0	2	22	-5	
3	4999.41	20,225	-52	20	0	0	0	2	22	-4	
4	4999.36	20,181	-44	20	0	0	0	2	22	0	
5	4999.30	20,129	-52	20	0	0	0	2	22	-4	
6	4999.28	20,111	-18	20	0	0	0	2	22	13	
7	4999.22	20,059	-52	20	0	0	0	2	22	-4	
8	4999.16	20,007	-52	20	0	0	0	2	22	-4	
9	4999.12	19,972	-35	20	0	0	0	2	22	4	
10	4999.05	19,912	-60	20	0	0	0	2	22	-8	
11	4999.00	19,868	-44	20	0	0	0	2	22	0	
12	4998.95	19,825	-43	20	0	0	0	2	22	0	
13	4998.90	19,782	-43	20	0	0	0	2	22	0	
14	4998.84	19,730	-52	20	0	0	0	2	22	-4	
15	4998.80	19,696	-34	20	0	0	0	2	22	5	
16	4998.75	19,653	-43	20	0	0	0	3	23	1	
17	4998.70	19,610	-43	20	0	0	0	3	23	1	
18	4998.66	19,575	-35	20	0	0	0	3	23	5	
19	4998.59	19,515	-60	20	0	0	0	3	23	-7	
20	4998.54	19,472	-43	20	0	0	0	3	23	1	
21	4998.48	19,421	-51	20	0	0	0	3	23	-3	
22	4998.42	19,370	-51	20	0	0	0	3	23	-3	
23	4998.37	19,327	-43	20	0	0	0	3	23	1	
24	4998.32	19,285	-42	20	0	0	0	3	23	2	
25	4998.27	19,242	-43	20	0	0	0	3	23	1	
26	4998.19	19,175	-67	20	0	0	0	3	23	-11	
27	4998.13	19,124	-51	20	0	0	0	3	23	-3	
28	4998.09	19,090	-34	20	0	0	0	3	23	6	
29	4998.05	19,056	-34	20	0	0	0	3	23	6	
30	4998.00	19,014	-42	20	0	0	0	3	23	2	
Total cfs-days				---	600	0	0	75	675	33	
Total ac-ft				-1,272	1,190	0	0	148	1,338	66	

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

September 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right					
Aug 31	5581.32	45,541									
1	5581.20	45,373	-168	0	52	0	0	13	65	-20	
2	5581.12	45,261	-112	0	50	0	0	13	63	7	
3	5581.03	45,136	-125	0	50	0	0	13	63	0	
4	5580.94	45,011	-125	0	50	0	0	13	63	0	
5	5580.85	44,886	-125	0	47	0	0	13	60	-3	
6	5580.76	44,761	-125	0	42	0	0	13	55	-8	
7	5580.70	44,678	-83	0	36	0	0	13	49	7	
8	5580.65	44,609	-69	0	28	0	0	13	41	6	
9	5580.60	44,539	-70	0	22	0	0	13	35	0	
10	5580.55	44,470	-69	0	22	0	0	13	35	0	
11	5580.51	44,415	-55	0	18	0	0	13	31	3	
12	5580.45	44,332	-83	0	16	0	0	13	29	-13	
13	5580.42	44,291	-41	0	16	0	0	13	29	8	
14	5580.38	44,236	-55	0	27	0	0	13	40	12	
15	5580.31	44,140	-96	0	34	0	0	13	47	-1	
16	5580.25	44,057	-83	0	34	0	0	13	47	5	
17	5580.17	43,948	-109	0	34	0	0	13	47	-8	
18	5580.11	43,865	-83	0	34	0	0	13	47	5	
19	5580.03	43,756	-109	0	28	0	0	13	41	-14	
20	5579.98	43,687	-69	0	28	0	0	13	41	6	
21	5579.92	43,605	-82	0	28	0	0	13	41	0	
22	5579.88	43,551	-54	0	20	0	0	13	33	6	
23	5579.84	43,496	-55	0	16	0	0	13	29	1	
24	5579.79	43,428	-68	0	16	0	0	13	29	-5	
25	5579.75	43,374	-54	0	16	0	0	13	29	2	
26	5579.71	43,320	-54	0	23	0	0	13	36	9	
27	5579.66	43,252	-68	0	26	0	0	13	39	5	
28	5579.61	43,184	-68	0	26	0	0	13	39	5	
29	5579.57	43,130	-54	0	20	0	0	13	33	6	
30	5579.53	43,076	-54	0	16	0	0	13	29	2	
Total cfs-days				---	0	875	0	0	390	1,265	
Total ac-ft				-2,465	0	1,736	0	0	774	2,510	
1/ Last Chance Creek Water District											

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

September 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right 1/					
Aug 31	5768.48	60,303									
1	5768.48	60,303	0	22	0	1	0	21	44	44	
2	5768.43	60,136	-167	22	0	1	0	21	44	-40	
3	5768.42	60,102	-34	22	0	1	0	21	44	27	
4	5768.39	60,002	-100	22	0	1	0	21	44	-6	
5	5768.37	59,935	-67	22	0	1	0	21	44	10	
6	5768.33	59,801	-134	22	0	1	0	21	44	-24	
7	5768.31	59,735	-66	22	0	1	0	21	44	11	
8	5768.29	59,668	-67	22	0	1	0	21	44	10	
9	5768.27	59,601	-67	22	0	1	0	21	44	10	
10	5768.23	59,468	-133	22	0	1	0	21	44	-23	
11	5768.22	59,435	-33	22	0	1	0	22	45	28	
12	5768.20	59,368	-67	22	0	1	0	22	45	11	
13	5768.15	59,202	-166	22	0	1	0	22	45	-39	
14	5768.13	59,135	-67	23	0	0	0	22	45	11	
15	5768.13	59,135	0	23	0	0	0	22	45	45	
16	5768.11	59,070	-65	23	0	0	0	22	45	12	
17	5768.08	58,970	-100	23	0	0	0	22	45	-5	
18	5768.05	58,871	-99	23	0	0	0	22	45	-5	
19	5768.02	58,772	-99	23	0	0	0	22	45	-5	
20	5768.00	58,706	-66	23	0	0	0	22	45	12	
21	5767.97	58,607	-99	23	0	0	0	22	45	-5	
22	5767.94	58,508	-99	23	0	0	0	22	45	-5	
23	5767.91	58,409	-99	23	0	0	0	22	45	-5	
24	5767.89	58,343	-66	23	0	0	0	22	45	12	
25	5767.87	58,278	-65	23	0	0	0	22	45	12	
26	5767.84	58,179	-99	23	0	0	0	22	45	-5	
27	5767.83	58,146	-33	23	0	0	0	22	45	28	
28	5767.77	57,949	-197	23	0	0	0	22	45	-54	
29	5767.74	57,851	-98	23	0	0	0	22	45	-4	
30	5767.00	57,720	-131	23	0	0	0	22	45	-21	
Total cfs-days				---	674	0	16	0	650	1,340	
Total ac-ft				-2,583	1,336	0	33	0	1,289	2,658	
1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli)											

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

September 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow						Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Deliveries to Lime Saddle Marina	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Aug 31	864.98	3,014,381									
	1	864.29	3,004,664	-9,717	13,468	34	0	380	0	13,882	0
	2	864.18	3,003,117	-1,547	6,980	34	0	370	0	7,384	0
	3	863.98	3,000,306	-2,811	8,116	34	0	246	0	8,396	0
	4	863.78	2,997,496	-2,810	9,098	34	0	332	0	9,464	0
	5	863.00	2,986,557	-10,939	12,922	34	0	284	0	13,240	0
	6	862.14	2,974,528	-12,029	16,396	34	0	472	0	16,902	0
	7	861.49	2,965,459	-9,069	15,646	32	0	405	0	16,083	0
	8	860.56	2,952,518	-12,941	14,563	32	0	358	0	14,953	0
	9	860.38	2,950,018	-2,500	8,844	32	0	253	0	9,129	0
	10	860.34	2,949,463	-555	5,402	32	0	102	0	5,536	0
	11	860.84	2,942,527	-6,936	10,980	34	0	280	0	11,294	0
	12	859.16	2,933,112	-9,415	14,156	34	0	271	0	14,461	0
	13	858.36	2,922,063	-11,049	14,278	34	0	336	0	14,648	0
	14	857.67	2,912,557	-9,506	14,567	34	0	317	0	14,918	0
	15	857.05	2,904,034	-8,523	12,658	34	0	176	0	12,868	0
	16	856.68	2,898,956	-5,078	9,423	34	0	251	0	9,708	0
	17	856.69	2,899,093	137	2,609	32	0	315	0	2,956	0
	18	856.16	2,891,830	-7,263	12,436	34	0	296	0	12,766	0
	19	855.44	2,881,983	-9,847	14,298	34	0	231	0	14,563	0
	20	855.04	2,876,523	-5,460	10,735	34	0	295	0	11,064	0
	21	854.60	2,870,525	-5,998	8,209	34	0	322	0	8,565	0
	22	854.24	2,865,625	-4,900	10,963	34	0	322	0	11,319	0
	23	854.03	2,862,769	-2,856	6,718	34	0	531	0	7,283	0
	24	854.08	2,863,449	680	3,436	34	0	458	0	3,928	0
	25	853.58	2,856,656	-6,793	9,442	34	0	367	0	9,843	0
	26	853.33	2,853,263	-3,393	8,457	34	0	330	0	8,821	0
	27	853.10	2,850,145	-3,118	7,898	34	0	358	0	8,290	0
	28	852.81	2,846,216	-3,929	8,449	34	0	320	0	8,803	0
	29	852.28	2,839,047	-7,169	7,873	30	0	192	0	8,095	0
	30	851.83	2,832,969	-6,078	7,363	30	0	219	0	7,612	0
Total				-181,412	306,383	994	0	9,389	0	316,766	0
1/ Includes bypass flows											
2/ South Feather Water and Power Agency											
3/ Evaporation will be zero for days when there is precipitation or heavy overcast.											
4/ Does not include pumpback.											

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Capacity: 25,120 ac-ft

Daily Operation
(in acre-feet except as noted)

September 2006

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County 4/	Thermalito Irrigation District	Releases To River 5/	Hyatt Powerplant Pumpback	
Aug 31	24,037										
1	23,993	-44	13,468	511	0	12,827	1	11	1,410	0	226
2	23,748	-245	6,980	316	0	6,363	1	11	1,404	0	238
3	23,829	81	8,116	511	0	7,266	1	11	1,402	0	134
4	23,887	58	9,098	509	0	8,254	1	11	1,420	0	137
5	23,476	-411	12,922	510	0	12,666	0	11	1,412	0	246
6	23,520	44	16,396	508	0	15,591	0	11	1,430	0	172
7	23,176	-344	15,646	430	0	15,538	0	11	1,402	0	531
8	24,259	1,083	14,563	446	0	12,908	0	11	1,331	0	324
9	24,210	-49	8,844	491	0	6,412	0	11	1,269	0	-1,692
10	23,742	-468	5,402	406	0	5,092	0	11	1,269	0	96
11	23,741	-1	10,980	78	0	9,836	0	11	1,265	0	53
12	24,171	430	14,156	47	0	12,764	0	11	1,265	0	267
13	23,838	-333	14,278	0	0	13,632	0	11	1,271	0	303
14	24,049	211	14,567	0	0	13,142	0	11	1,450	0	247
15	23,936	-113	12,658	0	0	11,710	0	11	1,277	0	227
16	24,394	458	9,423	27	0	7,775	0	11	1,273	0	67
17	23,810	-584	2,609	0	0	1,966	0	11	1,273	0	57
18	24,565	755	12,436	0	0	10,094	0	11	1,277	0	-299
19	23,739	-826	14,298	56	0	14,144	0	11	1,287	0	262
20	23,926	187	10,735	0	0	9,352	0	11	1,283	0	98
21	23,513	-413	8,209	42	0	7,520	0	11	1,285	0	152
22	23,884	371	10,963	0	0	9,540	0	11	1,281	0	240
23	23,685	-199	6,718	1	0	5,658	0	11	1,303	0	54
24	23,952	267	3,436	58	0	2,053	0	10	1,307	0	143
25	23,590	-362	9,442	20	0	8,568	0	10	1,301	0	55
26	23,711	121	8,457	67	0	7,288	0	10	1,303	0	198
27	23,439	-272	7,898	0	0	7,012	0	10	1,305	0	157
28	23,832	393	8,449	40	0	6,986	0	10	1,305	0	205
29	23,624	-208	7,873	40	0	7,008	0	10	1,305	0	202
30	23,716	92	7,363	41	0	5,055	0	10	1,307	0	-940
Total		-321	306,383	5,155	0	274,020	4	323	39,672	0	2,160

1/ Sum of Thermalito Forebay and Diversion Pool.

4/ Includes 4 AF of entitlement water to Del Oro WD and 0 AF to Cal Water.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

5/ The sum of the flows from fish barrier dam and the fish hatchery.

3/ Includes Bypass flows at Thermalito.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

September 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Aug 31	134.74	49,680										
1	135.08	51,067	1,387	12,827	2,638	11	641	1,214	6,764	0	-172	8,174
2	133.92	46,405	-4,662	6,363	2,559	11	627	1,204	6,764	0	140	8,168
3	132.90	42,463	-3,942	7,266	2,559	12	631	1,180	6,764	0	-62	8,166
4	132.15	39,668	-2,795	8,254	2,499	12	603	1,107	6,764	0	-64	8,184
5	132.62	41,409	1,741	12,666	2,460	10	563	1,002	6,764	0	-126	8,176
6	133.73	45,658	4,249	15,591	2,479	8	506	904	6,764	0	-681	8,194
7	134.54	48,872	3,214	15,538	2,360	8	428	841	7,240	0	-1,447	8,642
8	134.94	50,494	1,622	12,908	2,281	8	403	791	7,736	0	-67	9,067
9	133.67	45,424	-5,070	6,412	2,261	6	401	710	7,736	0	-368	9,005
10	132.14	39,631	-5,793	5,092	2,202	3	399	655	7,755	0	129	9,024
11	131.79	38,358	-1,273	9,836	2,162	3	341	615	7,736	0	-252	9,001
12	132.33	40,331	1,973	12,764	2,083	3	319	559	7,736	0	-91	9,001
13	133.11	43,261	2,930	13,632	2,043	1	303	514	7,736	0	-105	9,007
14	133.86	46,168	2,907	13,142	1,952	0	286	490	7,260	0	-247	8,710
15	134.44	48,470	2,302	11,710	1,769	0	236	440	6,764	0	-199	8,041
16	134.11	47,155	-1,315	7,775	1,644	0	218	351	6,764	0	-113	8,037
17	132.33	40,331	-6,824	1,966	1,617	0	167	305	6,764	0	63	8,037
18	132.66	41,559	1,228	10,094	1,589	0	145	262	6,764	0	-106	8,041
19	134.05	46,918	5,359	14,144	1,553	0	137	186	6,764	0	-145	8,051
20	134.24	47,671	753	9,352	1,462	0	115	145	6,764	0	-113	8,047
21	133.99	46,681	-990	7,520	1,353	0	109	149	6,764	0	-135	8,049
22	134.24	47,671	990	9,540	1,263	0	109	149	6,764	0	-265	8,045
23	133.57	45,034	-2,637	5,658	1,250	0	109	149	6,764	0	-23	8,067
24	131.99	39,083	-5,951	2,053	1,254	0	107	143	6,764	0	264	8,071
25	132.16	39,705	622	8,568	1,289	0	103	137	6,248	0	-169	7,549
26	132.29	40,183	478	7,288	1,273	0	42	139	5,236	0	-120	6,539
27	132.50	40,961	778	7,012	1,236	0	20	141	4,760	0	-77	6,065
28	132.64	41,484	523	6,986	1,208	0	6	248	4,741	0	-260	6,046
29	132.83	42,198	714	7,008	1,192	0	0	296	4,760	0	-46	6,065
30	132.77	41,972	-226	5,055	1,212	0	0	294	4,741	0	966	6,048
Total		-7,708		274,020	54,700	96	8,070	15,320	199,645	0	-3,897	239,317

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

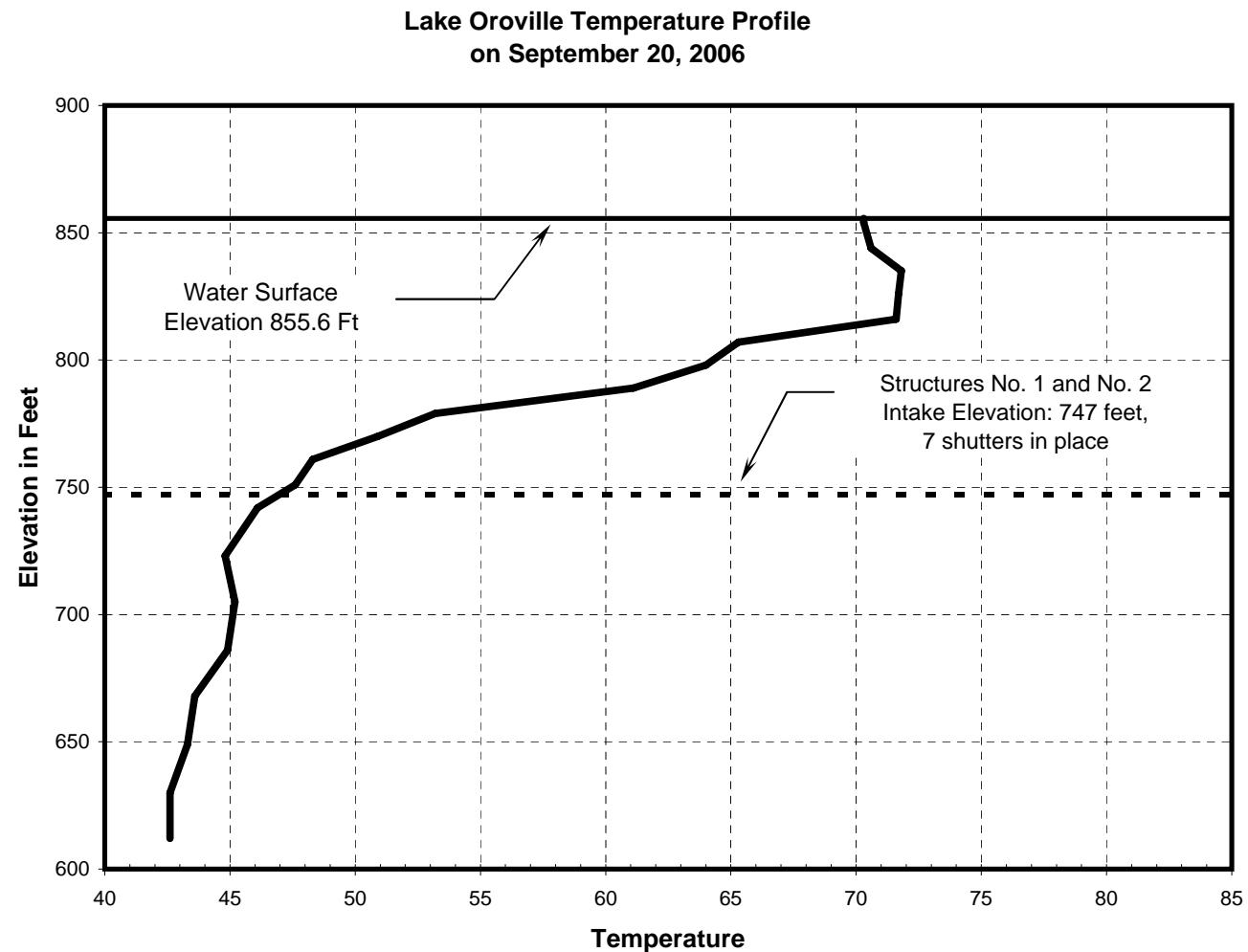
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

September 2006

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	64	53
2	63	54
3	64	54
4	64	54
5	64	54
6	63	54
7	62	54
8	60	54
9	60	55
10	61	55
11	63	55
12	63	54
13	62	54
14	60	53
15	59	54
16	59	54
17	60	54
18	60	55
19	60	54
20	60	52
21	60	51
22	59	51
23	59	52
24	60	52
25	60	52
26	60	51
27	60	52
28	60	52
29	60	51
30	59	51



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

September 2006

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		Structure			Table A		Permit	Article 21	
	No.		Mile	M & I		Benicia	Vallejo			
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	6,086	39	202	142	2,135	
		Travis Surge Tank	8.78							
			8.80	Solano County Water Agency Travis AFB	298					
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	318					
				Solano County Water Agency Fairfield / Vacaville 42"	2,277					
			17.00	Solano County Water Agency Central Solano	Stub					
2	3A	Cordelia Forebay	21.23			174	1/ 147	670	1,136	
		Cordelia Pumping Plant & Cordelia Spillway	21.30		3,059					
3B	2	Napa Pipeline	21.33	Solano County Water Agency Vallejo	817	10	594	328	1,136	
				Solano County Water Agency Benicia	1,310					
		Cordelia Surge Tank	23.33							
		Creston Surge Tank Connection	25.65							
			26.95	Napa County Flood Control & WCD American Canyon 2	10					
			27.27	Napa County Flood Control & WCD American Canyon 3	0					
		Napa Terminal Tank	27.58	City of Napa	594					
			27.60	Napa County Flood Control & WCD American Canyon 1	328					

1/ Includes 39 AF of Napa Co. FC&WCD entitlement through Solano Co.'s turnout (Reach 3A) for delivery to American Canyon and 108 AF of Solano County WA entitlement to the City of Vallejo.

Table 9. Delta Field Division Plant Data

(in acre-feet)

September 2006

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	220	105	14,174	14,174	583	0	0	5
2	220	102	13,898	13,898	593	0	0	0
3	205	101	14,359	14,359	589	0	0	0
4	205	101	14,282	14,282	599	0	0	0
5	210	101	13,867	13,867	585	0	0	0
6	218	98	14,420	14,420	543	0	0	0
7	204	90	14,074	14,074	525	0	0	0
8	194	93	13,909	13,909	491	0	0	93
9	210	105	13,990	13,990	474	0	0	105
10	203	100	13,994	13,994	474	0	0	105
11	196	97	14,212	14,212	474	0	0	116
12	211	108	14,601	14,601	426	0	0	105
13	227	116	14,363	14,363	483	0	0	116
14	205	111	14,290	14,290	448	0	0	121
15	195	98	13,518	13,518	412	0	0	147
16	201	103	13,911	13,911	393	0	0	168
17	212	112	14,024	14,024	387	0	0	168
18	206	111	13,640	13,640	426	0	0	132
19	193	101	13,849	13,849	533	0	0	67
20	200	109	13,793	13,793	564	0	0	62
21	207	113	13,860	13,860	585	0	0	52
22	198	103	13,834	13,834	555	0	0	52
23	195	100	14,133	14,133	557	0	0	52
24	209	112	13,893	13,893	545	0	0	52
25	208	115	14,015	14,015	532	0	0	52
26	204	105	14,027	14,027	290	0	0	145
27	187	90	13,908	13,908	402	0	0	39
28	183	87	14,093	14,093	376	0	0	41
29	183	88	13,802	13,802	366	0	0	22
30	177	84	14,271	14,271	310	0	0	51
Total	6,086	3,059	421,004	421,004	14,520	0	0	2,068

Table 10. Clifton Court Forebay

Daily Operation of Gates

September 2006

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	0:45	7:45	10:45	21:00					14,238
2	1:45	8:45	11:45	20:00					14,235
3	2:45	9:45	12:45	22:10					14,222
4	0:01	1:30	4:00	10:45	13:45	22:15			14,232
5	0:01	2:30	5:00	11:30	14:30	21:00			14,232
6	0:20	3:30	6:00	12:10	15:15	21:00			14,227
7	0:20	4:15	6:45	12:45	16:00	21:30			14,240
8	0:16	5:01	7:45	13:30	16:30	21:30			14,221
9	0:17	5:45	8:30	14:15	17:45	22:45			14,233
10	0:08	2:45	5:45	18:45	21:45	---			14,231
11	---	3:00	6:30	19:50	22:30	---			14,206
12	---	4:30	7:30	20:15	23:15	---			14,220
13	---	5:45	8:45	18:30					13,026
14	0:15	6:45	9:45	17:00	19:16	20:04			14,221
15	1:00	8:15	11:15	19:00					14,225
16	2:15	9:15	12:15	20:40					14,219
17	0:01	1:50	3:30	10:10	13:15	21:15			14,224
18	0:05	2:30	4:30	10:15	14:00	---			14,230
19	---	3:00	4:30	11:10	14:45	21:00			14,226
20	0:16	3:45	6:15	12:15	15:15	---			14,220
21	---	4:00	6:45	12:45	15:45	---			14,224
22	---	5:00	7:40	13:15	16:15	---			14,177
23	---	5:30	8:15	13:30	16:30	---			13,547
24	---	2:15	5:15	18:00	20:45	---			13,458
25	---	2:45	5:45	18:30	21:15	---			14,191
26	---	3:15	6:15	19:00	21:45	---			14,193
27	---	4:00	7:00	19:30	23:10	---			14,222
28	---	4:45	7:45	20:00					14,222
29	0:01	5:45	8:45	20:45					14,238
30	0:02	6:00	10:00	22:45					14,222
								424,022	

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

September 2006

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A	USBR	Local	Loan Water	Local Other	
	No.	Structure	Mile							
1	1		1.83	Byron Bethany Irrigation District	2,221	50	62	2,221		
		Banks Pumping Plant	3.32		421,004					
		South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aqueduct)	14,520					
		Check No. 1	5.95							
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	50					
	2	Check No. 2	12.01							
			12.47	Musco Olive	62					
		Check No. 3	18.29							
	3		22.16	Tracy Golf & Country Club	0					
		Check No. 4	23.99							
2A	4	Check No. 5	29.73							
	5	Check No. 6	34.24							
	6		35.22	Turlock Fruit Company Inflow	0					
		Check No. 7	39.91							
	7		42.46	Oak Flat Water District-A	9	9	136	240	68	
			42.9	Western Hills WD	136					
			43.81	Oak Flat Water District-B	240					
			44.64	Oak Flat Water District-C	68					
		Check No. 8	45.97							
	8		46.18	Oak Flat Water District-D	144					
				Oak Flat Totals:	461					
2B	9				461	461	0	0	0	
		Check No. 9	51.3							
	10	Check No. 10	56.86							
	11	Check No. 11	61.4							
	12		66.14	Veteran's Cemetery	5					
		Check No. 12	66.71		401,743		5			

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

September 2006

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	Article 21	Purchase Pool B	Local	Rec.	Other	
	No.	Structure	Mile								
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	14,520	3	47	504	1/ 1,000		
			3.17	Granite - Vasco Rd. (Temp.)	0						
			3.18	Oakland Scavenger Zone 7	3						
		Check No. 1	3.91								
	2	Check No. 2	5.21								
			7.15	Zone 7 Water Agency Altamont	47						
		Check No. 3	9.49	Zone 7 Water Agency Patterson Inflow Exchange Project Water	0						
	4	Check No. 4	10.68								
		Check No. 5	12.29								
			13.55	Zone 7 Water Agency Wente #1	123						
			14.16	Zone 7 Water Agency Wente #2	69						
			14.31	Zone 7 Water Agency Ising	26						
		Check No. 6	14.65								
			14.78	Zone 7 Water Agency Arroyo Mocho Project Water	169						
		Check No. 7	16.38								
			16.57	Zone 7 Water Agency Wente #3	0						
			16.63	Zone 7 Water Agency Wente #4	74						
5	8		16.69	Zone 7 Water Agency Norman Nursery	0						
			16.70	Zone 7 Water Agency Concannon Project Water	26						
		Del Valle Branch Pipeline Junction	18.63	Pumped into Lake Del Valle	0						
				Pumped into South Bay Aqueduct	0						
				Gravity into South Bay Aqueduct	2,068						
		Deliveries through Del Valle Branch Pipeline		Zone 7 Water Agency Arroyo Valle #1 & #2							
				Storage Exchange	0						
				Project Water	413						
				Storage Released	0						
				Inflow Release	159						
6				East Bay Regional Park Dist.							
				Del Valle Recreation	28						
				Zone 7 Water Agency Wente #5	84						
				Zone 7 Water Agency So. Livermore Project							
			19.20	Project Water	3,617						
7				Inflow Released	0						
			19.21	Stored Exchanged	0						
				Zone 7 Water Agency Kalthrof Detjens	122						
8	La Costa Tunnel		22.50	ACWD							
				Vallecitos Project Water	720						
	Mission Tunnel		25.97	City of San Francisco							
				San Antonio	0						
9				ACWD - Bayside 1 & 2							
			28.97	Inflow Release	0						
				Storage Released	0						
				Storage Exchange	2,231						
		Santa Clara Pipeline	35.86	S.C.V.W.D. Meter	7,141						

1/ Transfer from Byron Bethany Irrigation District to Alameda Co. Zone 7 Water Agency

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

September 2006

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)	
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow		
Aug 31	700.39	38,095	-21 -21 -7 -14 -7 -27 -55 -82 -123 -109 -109 -22 20 -245 -110 -136 -162 -182 -161 20 -141 -67 -80 -53 -40 -53 -47 -53 -153 -40 -53 -46 -53	-1	0	0	5	0	15	20	0.00	
1	700.36	38,074		0	0	0	0	0	14	14	0.00	
2	700.33	38,053		-7	0	0	0	0	14	14	0.00	
3	700.32	38,047		6	0	0	0	1	12	13	0.00	
4	700.30	38,033		-1	0	0	0	1	11	12	0.00	
5	700.29	38,026		7	0	0	0	1	13	14	0.00	
6	700.25	37,999		-12	0	0	0	1	15	16	0.00	
7	700.17	37,944		-38	0	0	0	1	15	16	0.00	
8	700.05	37,861		24	0	0	93	1	12	106	0.00	
9	699.87	37,738		-7	0	0	105	1	10	116	0.00	
10	699.71	37,629		6	0	0	105	1	10	116	0.00	
11	699.55	37,520		-109	0	0	116	1	14	131	0.00	
12	699.58	37,541		22	0	0	105	1	15	121	0.00	
13	699.22	37,296		-141	0	0	116	1	17	134	0.00	
14	699.02	37,160		-136	3	0	121	1	16	138	0.00	
15	698.78	36,998		-162	-1	0	147	1	13	161	0.00	
16	698.51	36,816		-182	-2	0	168	1	11	180	0.00	
17	698.27	36,655		-161	20	0	168	1	12	181	0.00	
18	698.06	36,514		-141	7	0	132	1	15	148	0.00	
19	697.96	36,447		-67	13	0	67	1	12	80	0.00	
20	697.84	36,367		-80	-3	0	62	1	15	78	0.00	
21	697.76	36,314		-53	13	0	52	1	13	66	0.00	
22	697.70	36,273		-40	28	0	52	1	15	68	0.00	
23	697.62	36,220		-53	13	0	52	1	13	66	0.00	
24	697.55	36,174		-47	18	0	52	1	12	65	0.00	
25	697.47	36,120		-53	13	0	52	1	14	67	0.00	
26	697.24	35,967		-153	8	0	145	1	15	161	0.00	
27	697.18	35,928		-40	12	0	39	1	11	51	0.00	
28	697.10	35,875		-53	-5	0	41	1	6	48	0.00	
29	697.03	35,828		-46	-16	0	22	1	8	31	0.00	
30	696.95	35,775		-53	8	0	51	1	9	61	0.00	
Total				-2,319	160	0	0	2,068	28	383	2,479	
1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.												
2/ Includes 159 AF of natural inflow released and 1,909 AF of project water released to South Bay Aqueduct through Del Valle Pumping Plant.												
3/ To East Bay Regional Park District.												
NR=No Records												

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ Includes 159 AF of natural inflow released and 1,909 AF of project water released to South Bay Aqueduct through Del Valle Pumping Plant.

3/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

September 2006

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliv-eries 2/		
Aug 31	223.05	51,180											
1	223.22	51,634	454	0	1,017	4,527	6,685	0	3,725	8,017	36	-222	
2	222.56	49,873	-1,761	0	1,040	2,811	6,738	0	4,535	7,667	24	749	
3	221.95	48,255	-1,618	0	1,178	1,740	6,913	0	2,457	8,447	22	279	
4	221.06	45,918	-2,337	0	1,442	1,629	6,724	0	3,744	7,118	20	-91	
5	222.38	49,394	3,476	0	1,648	2,344	6,625	0	1,970	7,457	18	580	
6	223.13	51,393	1,999	0	1,527	2,722	6,879	0	2,786	7,446	56	168	
7	222.46	49,607	-1,786	0	1,265	2,798	6,635	0	4,256	7,469	54	181	
8	222.52	49,767	160	0	1,143	1,911	6,990	0	2,952	7,247	58	294	
9	223.69	52,893	3,126	0	1,354	2,723	6,707	0	3,013	7,733	38	1,576	
10	222.92	50,833	-2,060	0	1,687	444	6,900	0	2,854	8,864	34	1,682	
11	224.33	54,616	3,783	0	1,884	2,245	6,756	0	2,608	7,310	34	974	
12	224.36	54,698	82	0	1,765	0	6,906	0	2,328	7,083	26	807	
13	222.93	50,859	-3,839	0	1,641	0	7,084	0	3,767	7,484	32	623	
14	222.57	49,900	-959	0	1,562	0	6,905	0	2,317	6,782	42	191	
15	223.11	51,340	1,440	0	1,579	0	6,668	0	1,357	6,921	30	787	
16	223.87	53,377	2,037	0	1,795	0	6,621	0	950	6,896	20	477	
17	223.84	53,296	-81	0	1,858	0	6,777	0	2,375	6,384	20	103	
18	223.13	51,393	-1,903	0	1,540	0	6,526	0	3,651	5,715	32	373	
19	222.06	48,544	-2,849	0	1,454	443	6,534	0	3,434	6,483	40	90	
20	221.09	45,996	-2,548	0	1,408	0	6,679	0	3,903	6,548	44	1,123	
21	222.32	49,235	3,239	0	1,263	1,726	6,784	0	1,887	6,835	56	638	
22	222.90	50,779	1,544	0	1,061	0	6,766	0	1,216	5,968	50	185	
23	223.76	53,081	2,302	0	1,458	0	6,594	0	1,221	5,945	44	319	
24	223.13	51,393	-1,688	0	1,763	0	6,593	0	3,508	5,967	42	310	
25	223.31	51,875	482	0	1,567	0	6,593	0	2,355	5,916	42	396	
26	222.87	50,699	-1,176	0	1,452	0	6,755	0	3,085	5,950	48	283	
27	221.65	47,467	-3,232	0	1,254	0	6,790	0	3,681	6,294	42	344	
28	221.68	47,546	79	0	1,136	0	6,797	0	1,528	6,224	46	-95	
29	221.49	47,046	-500	0	1,258	0	6,745	0	1,619	6,532	30	-74	
30	221.10	46,023	-1,023	0	1,317	0	6,875	0	1,687	5,797	28	-1,196	
Total				-5,157	0	43,316	28,063	202,544	0	80,769	206,499	1,108	11,854
Mean cfs				---	0	1,444	935	6,751	0	2,692	6,883	37	395
Acre-feet				-5,157	0	85,919	55,665	401,743	0	160,201	409,593	788	22,098

1/ Pump-in located at Mile 79.67R.

2/ Includes 64 AF delivered to DFG at O'Neill Forebay, 2 AF to Parks and Recreation, and 722 AF to San Luis Water District.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

September 2006

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.	
Aug 31	475.50	1,235,614						
1	475.41	1,234,650	-964	3,725	4,527	214	0	530
2	475.56	1,236,258	1,608	4,535	2,811	206	0	-707
3	475.70	1,237,759	1,501	2,457	1,740	179	0	219
4	476.00	1,241,000	3,241	3,744	1,629	187	0	-294
5	475.90	1,239,905	-1,095	1,970	2,344	182	0	4
6	475.80	1,238,832	-1,073	2,786	2,722	178	0	-427
7	475.90	1,239,905	1,073	4,256	2,798	184	0	-733
8	476.10	1,242,075	2,170	2,952	1,911	189	0	242
9	476.00	1,241,000	-1,075	3,013	2,723	182	0	-650
10	476.40	1,245,301	4,301	2,854	444	161	0	-81
11	476.34	1,244,656	-645	2,608	2,245	181	0	-507
12	476.68	1,248,315	3,659	2,328	0	221	0	-262
13	477.24	1,254,350	6,035	3,767	0	185	0	-539
14	477.55	1,257,694	3,344	2,317	0	180	0	-451
15	477.71	1,259,422	1,728	1,357	0	181	0	-305
16	477.84	1,260,826	1,404	950	0	191	0	-51
17	478.20	1,264,717	3,891	2,375	0	132	0	-281
18	478.71	1,270,236	5,519	3,651	0	189	0	-680
19	479.30	1,276,631	6,395	3,434	443	195	0	428
20	479.80	1,282,059	5,428	3,903	0	199	0	-967
21	479.90	1,283,146	1,087	1,887	1,726	234	0	621
22	479.90	1,283,146	0	1,216	0	185	0	-1,031
23	480.10	1,285,320	2,174	1,221	0	178	0	53
24	480.62	1,290,978	5,658	3,508	0	165	0	-490
25	480.91	1,294,136	3,158	2,355	0	213	0	-550
26	481.37	1,299,152	5,016	3,085	0	258	0	-298
27	481.92	1,305,158	6,006	3,681	0	287	0	-366
28	482.24	1,308,657	3,499	1,528	0	266	0	502
29	482.42	1,310,626	1,969	1,619	0	274	0	-352
30	482.65	1,313,144	2,518	1,687	0	189	0	-229
Total			77,530	80,769	28,063	5,965	0	-7,652
Mean cfs			---	2,692	935	199	0	-255
Acre-feet			77,530	160,201	55,665	11,827	0	-15,179

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 8,675 AF and San Benito: 3,152 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

September 2006

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	15,902	11,885	8,979	7,675	7,389	7,389	425
2	15,207	10,830	5,575	4,381	8,995	8,995	408
3	16,755	12,629	3,451	1,201	4,873	4,873	355
4	14,118	9,999	3,232	1,464	7,427	7,427	370
5	14,790	10,693	4,650	3,161	3,907	3,907	361
6	14,769	10,660	5,400	3,912	5,527	5,527	353
7	14,814	11,701	5,550	5,550	8,441	7,536	364
8	14,374	11,291	3,791	3,791	5,855	5,855	375
9	15,339	12,162	5,402	5,402	5,976	5,976	361
10	17,582	14,479	880	880	5,660	5,660	319
11	14,500	11,397	4,453	4,453	5,172	5,172	359
12	14,050	11,005	0	0	4,617	4,617	439
13	14,844	11,789	0	0	7,472	4,704	367
14	13,453	10,393	0	0	4,595	1,868	358
15	13,728	10,528	0	0	2,691	936	359
16	13,679	10,549	0	0	1,884	-131	379
17	12,662	9,597	0	0	4,711	4,711	261
18	11,336	8,166	0	0	7,241	7,241	375
19	12,860	10,451	878	-4	6,812	6,812	386
20	12,988	10,608	0	0	7,741	5,705	394
21	13,558	12,003	3,424	3,424	3,742	1,778	464
22	11,837	10,310	0	0	2,412	4	367
23	11,792	10,186	0	0	2,422	1,050	354
24	11,835	10,212	0	0	6,959	5,936	328
25	11,734	10,149	0	0	4,672	3,576	422
26	11,801	10,249	0	0	6,120	6,120	511
27	12,485	11,491	0	0	7,301	3,542	569
28	12,346	11,364	0	0	3,030	2,203	527
29	12,957	11,957	0	0	3,211	1,148	543
30	11,498	10,495	0	0	3,346	1,694	374
Total	409,593	329,228	55,665	45,290	160,201	131,831	11,827

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping;
adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations
September 2006

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Aug 31	327.49	20,430					
1	327.47	20,421	-9	0	0	0	-9
2	327.44	20,407	-14	0	0	0	-14
3	327.41	20,393	-14	0	0	0	-14
4	327.39	20,384	-9	0	0	0	-9
5	327.37	20,374	-10	0	0	0	-10
6	327.36	20,370	-4	0	0	0	-4
7	327.34	20,360	-10	0	0	0	-10
8	327.29	20,337	-23	0	0	0	-23
9	327.26	20,323	-14	0	0	0	-14
10	327.25	20,318	-5	0	0	0	-5
11	327.24	20,314	-4	0	0	0	-4
12	327.23	20,309	-5	0	0	0	-5
13	327.21	20,300	-9	0	0	0	-9
14	327.15	20,272	-28	0	0	0	-28
15	327.12	20,258	-14	0	0	0	-14
16	327.05	20,225	-33	0	0	0	-33
17	327.05	20,225	0	0	0	0	0
18	327.05	20,225	0	0	0	0	0
19	327.03	20,216	-9	0	0	0	-9
20	327.03	20,216	0	0	0	0	0
21	326.99	20,197	-19	0	0	0	-19
22	326.96	20,183	-14	0	0	0	-14
23	326.94	20,174	-9	0	0	0	-9
24	326.92	20,165	-9	0	0	0	-9
25	326.91	20,160	-5	0	0	0	-5
26	326.89	20,151	-9	0	0	0	-9
27	326.87	20,141	-10	0	0	0	-10
28	326.86	20,137	-4	0	0	0	-4
29	326.85	20,132	-5	0	0	0	-5
30	326.82	20,118	-14	0	0	0	-14
Total			-312	0	0	0	-312
Mean cfs			---	0	0	0	---
Acre-feet			-312	0	0	0	-312

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

September 2006

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Aug 31	601.50	763					
1	601.40	758	-5	0	0	0	-5
2	601.40	758	0	0	0	0	0
3	601.50	763	5	3	0	0	-1
4	601.40	758	-5	0	0	0	-5
5	601.40	758	0	0	0	0	0
6	601.40	758	0	0	0	0	0
7	601.40	758	0	0	0	0	0
8	601.40	758	0	0	0	0	0
9	601.40	758	0	0	0	0	0
10	601.40	758	0	0	0	0	0
11	601.40	758	0	0	0	0	0
12	601.40	758	0	0	0	0	0
13	601.40	758	0	0	0	0	0
14	601.40	758	0	0	0	0	0
15	601.40	758	0	0	0	0	0
16	601.40	758	0	0	0	0	0
17	601.40	758	0	0	0	0	0
18	601.40	758	0	0	0	0	0
19	601.40	758	0	0	0	0	0
20	601.40	758	0	0	0	0	0
21	601.40	758	0	0	0	0	0
22	601.40	758	0	0	0	0	0
23	601.40	758	0	0	0	0	0
24	601.40	758	0	0	0	0	0
25	601.40	758	0	0	0	0	0
26	601.40	758	0	0	0	0	0
27	601.40	758	0	0	0	0	0
28	601.40	758	0	0	0	0	0
29	601.40	758	0	0	0	0	0
30	601.40	758	0	0	0	0	0
Total			-5	3	0	0	-11
Mean cfs			---	0	0	0	---
Acre-feet			-5	6	0	0	-11

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

September 2006

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		401,743						
3A		San Luis Reservoir		Department of Parks and Recreation	0	8,675		0	0		
				San Felipe Division Santa Clara Water District	8,675						
				Casa de Fruita Santa Clara Water District	0						
				San Felipe Division San Benito Water District	3,152	3,152		0	0		
				Reach 3A Subtotal:	11,827						
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation	2			1	1		
				Cattle Program	0						
				Department of Fish & Game	64						
		Thru 85.08	70.91	San Luis Water District	722	722		0	0		
				(Floodwater Inflow)	0						
				Reach 3 Subtotal:	788						
		Dos Amigos Pumping Plant	86.73		409,593						
4	14		89.03			3,216					
			Thru 94.06	San Luis Water District	3,216						
			89.66				410				
			Thru 89.67	Pacheco Water District	410						
			89.68	Panoche Water District	38		38				
		Check No. 14	89.70	City of Dos Palos	201						
4	15		95.06								
			98.15			461					
			Thru 104.20	San Luis Water District	461						
			96.15				1,055				
			Thru 102.64	Panoche Water District	1,055						
				(Floodwater Inflow)	0		3				
			102.64	Broadview Water District	3						
		Check No.15	105.22				5,979				
			Thru 108.64	Westlands Water District	5,979						
		Check No.15	108.50								
			Reach 4 Subtotal:	11,363	11,363	0	0	0	0		
			San Felipe Division Total:	11,827	11,827	0	0	0	0		
			Pacheco Water District Total:	410	410	0	0	0	0		
			Broadview Water District Total:	3	3	0	0	0	0		
			City of Dos Palos Total:	201	201	0	0	0	0		
			SLWD Reach 4 Subtotal:	3,677	3,677	0	0	0	0		
			Panoche Water District Total:	1,093	1,093	0	0	0	0		
			SLWD Total:	4,399	4,399	0	0	0	0		
			Westlands WD Reach 4 Subtotal:	5,979	5,979	0	0	0	0		

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

September 2006

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries							
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation				
	No.	Structure											
5	16		110.52	(Reverse flow, Kings River)	0	9,914		0	0				
				Westlands Water District	9,914								
				Thru	0								
				122.05	0								
				Dept. of Fish and Game @ Lat. 4L	0								
	17		122.07	Dept. of Fish and Game @ Lat. 6L	0	6,813		0	0				
				Dept. of Fish and Game @ Lat. 7L	0								
				Check No. 16									
	18		124.18	Westlands Water District	6,813	10,889		0	0				
				Thru									
				132.74									
			Check No. 17	132.95									
			133.81	Westlands Water District	10,889								
	19		Thru										
			142.61										
			Pleasant Valley Pumping Plant	Westlands Water District	8,422	8,422		0	0				
			143.16	City of Coalinga	991								
			Check No. 18	143.23									
				Reach 5 Subtotal:	37,029	37,029	0	0	0				
6	19		145.26	GWF Energy	0								
				City of Huron	2	2	1/ 293	0	0				
				Kings County to Lemoore NAS Through WWD	293								
				Kings County through WWD 30L	0								
				Westlands Water District	10,818								
			Check No. 19	155.64		10,818	293	0	0				
				Reach 6 Subtotal:	11,113								
7	20		156.34	City of Huron	116	116		0	0				
				SWP Construction @ Lat. 24R	0								
				Thru	6,434								
			163.69	Westlands Water District	6,434								
			Check No. 20	164.69									
	21		164.79	City of Avenal	285		285	0	0				
				167.04	Westlands Water District	3,454							
			Thru	171.67		3,454	0	0					
			Check No. 21	172.40					325,605				
				Reach 7 Total:	10,289	10,289	0	0	0				
				SWP Construction Total:	0	0	0	0	0				
				Westlands WD Total:	62,723	62,723	0	0	0				
				City of Coalinga Total:	991	991	0	0	0				
				City of Huron Total:	118	118	0	0	0				
				Kings County to Lemoore NAS Through WWD	293	0	293	0	0				
				City of Avenal Total:	285	285	0	0	0				
				Total San Luis Field Division Deliveries:	82,409	82,050	293	36	30				

1/ Long-term POD from County of Kings to Lemoore Naval Air Base.

Table 20. Consolidated State-Federal San Luis Canal 1/Daily Operations
September 2006

United States
 Department of the Interior
 Bureau of Reclamation
 Central Valley Project

State of California
 The Resources Agency
 Department of Water Resources
 State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non-Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Aug 31	29,197								
1	29,622	425	0	8,017	78	29	1,221	6,052	-422
2	28,658	-964	0	7,667	78	29	1,221	6,266	-559
3	29,822	1,164	0	8,447	78	29	1,221	6,405	-127
4	28,951	-871	0	7,118	78	29	1,221	6,384	155
5	29,639	688	0	7,457	78	29	1,221	5,709	-73
6	29,447	-192	0	7,446	78	29	1,225	6,200	-11
7	29,734	287	0	7,469	69	19	1,083	5,943	-210
8	29,401	-333	0	7,247	69	19	1,083	4,976	-1,268
9	28,424	-977	0	7,733	69	19	1,083	5,845	-1,209
10	29,328	904	0	8,864	69	19	1,083	6,075	-1,163
11	29,699	371	0	7,310	69	19	1,083	5,376	-576
12	29,408	-291	0	7,083	69	19	1,083	5,603	-455
13	29,786	378	0	7,484	69	19	1,089	5,615	-502
14	29,427	-359	0	6,782	66	15	1,039	5,841	-2
15	29,179	-248	0	6,921	66	15	1,039	5,554	-372
16	29,663	484	0	6,896	66	15	1,039	5,357	-175
17	29,694	31	0	6,384	66	15	1,039	5,690	442
18	29,163	-531	0	5,715	66	15	1,039	4,917	54
19	28,895	-268	0	6,483	66	15	1,039	5,199	-299
20	28,737	-158	0	6,548	69	15	1,045	5,244	-255
21	29,337	600	0	6,835	74	11	1,025	5,095	-327
22	28,823	-514	0	5,968	74	11	1,025	5,387	270
23	29,036	213	0	5,945	74	11	1,025	4,751	23
24	29,134	98	0	5,967	74	11	1,025	5,055	247
25	29,242	108	0	5,916	74	11	1,025	4,870	119
26	28,461	-781	0	5,950	74	11	1,025	5,057	-177
27	28,685	224	0	6,294	77	11	1,030	4,841	-222
28	28,816	131	0	6,224	75	20	1,033	4,817	-213
29	29,403	587	0	6,532	75	20	1,033	5,068	-40
30	29,219	-184	0	5,797	75	22	1,033	4,965	206
Total		22	0	206,499	2,162	551	32,475	164,157	-7,141
Mean cfs		---	0	6,883	72	18	1,083	5,472	-238
Acre-feet		22	0	409,593	4,288	1,093	64,413	325,605	-14,172

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 410 AF to Pacheco W.D., 201 AF to the City of Dos Palos, and 3,677 AF to San Luis Water District.

3/ Includes 116 AF to the City of Huron, 285 AF to the City of Avenal, 991 AF to the City of Coalinga, 2 AF to City of Huron P&R @ 22R, 293 AF to Lemoore N.A.S. @ 29L, 0 AF to GWF @ 30L, 0 AF to Kings County @ 30L, 3 AF to Broadview WD @ 3L, 0 AF to DFG @ 4L, 0 AF to Mendota Water Fowl Habitat Area @ 6L, 0 AF to DFG @ 7L, 0 AF to SWP construction, 8,422 AF to Pleasant Valley Pumping Plant, and 54,301 to Westlands Water District.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

September 2006

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	561	561	98	92	99	5,941	5,609	5,153	5,017
2	653	653	105	97	106	5,832	5,632	5,186	5,128
3	630	630	121	94	120	7,190	7,292	6,843	6,771
4	541	541	94	85	95	7,100	7,206	6,741	6,747
5	658	658	83	76	85	6,241	5,980	5,449	5,345
6	597	597	104	98	102	6,086	5,843	5,422	5,291
7	595	595	116	110	116	5,977	5,663	5,280	5,214
8	571	571	113	105	113	5,852	5,560	5,192	5,148
9	528	528	107	99	110	6,665	6,505	6,113	6,090
10	456	456	88	82	92	7,036	7,203	6,843	6,848
11	434	434	89	81	90	5,946	5,860	5,474	5,443
12	586	586	95	88	97	5,726	5,677	5,284	5,218
13	588	588	94	86	96	6,119	5,886	5,453	5,407
14	647	647	113	105	115	6,177	6,005	5,584	5,443
15	464	464	121	116	120	6,172	5,796	5,451	5,342
16	471	471	137	130	137	5,857	6,006	5,635	5,563
17	469	469	115	107	116	7,445	7,264	6,843	6,767
18	477	477	102	95	103	5,855	5,820	5,406	5,360
19	525	525	121	113	120	6,172	5,827	5,402	5,365
20	500	500	105	100	107	5,453	5,261	4,818	4,771
21	517	517	128	119	126	5,616	5,314	4,937	4,883
22	471	471	111	109	112	5,073	5,068	4,676	4,546
23	564	564	99	91	100	5,652	5,371	4,926	4,892
24	485	485	140	132	139	6,007	6,191	5,893	5,987
25	403	403	94	82	96	5,505	5,411	4,980	4,919
26	481	481	97	92	97	5,668	5,404	4,962	4,949
27	424	424	0	0	0	5,429	4,831	4,750	4,704
28	362	362	93	85	94	5,615	5,375	4,991	4,942
29	331	331	78	71	80	5,664	5,465	5,063	5,001
30	392	392	105	98	108	5,668	5,435	5,026	4,941
Total	15,381	15,381	3,066	2,838	3,091	180,739	175,760	163,776	162,042

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

September 2006

(In acre-feet)

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	USBR	Article 21	Purchase Pool A	Purchase Pool B	Other Table A	
	No.	Structure	Mile								
7	21	Check No. 21	172.40	325,605							
8C	22			Empire West Side Irrig. Dist. TL - A	0	557 762 289 737 1,913 2,115 61 1,873		349	719		
				County of Kings TL - A	0						
				Tulare Lake Basin WSD TL-A	557						
				175.18 Dudley Ridge WD - 1	762						
				177.54 Dudley Ridge WD - 1B	289						
				180.64 Tulare Lake Basin WSD - C	0						
				180.65 Dudley Ridge WD - 1A	737						
				182.99 Dudley Ridge WD - 2	2,981						
				183.00 Tulare Lake Basin WSD TL - B	2,115						
					61						
31A				County of Kings TL-B	61	1,873		349	719	0	
				Dudley Ridge WD - Paramount	0						
8D				184.00 Coastal Branch	15,381	5,574 2,672	0 0	349 0	719 0		
				184.63 Dudley Ridge WD - 3	1,873						
				Dudley Ridge Reach 8D Total:	6,642						
					2,672						
				Tulare Lake Basin WSD Total:	2,672						
				Check No. 22	184.82						
				189.69 Kern County Water Agency Lost Hills Water Dist. - 1	5,231						
				191.18 Kern County Water Agency Lost Hills Water Dist. - 2	1,156						
				194.22 Kern County Water Agency Lost Hills Water Dist. - 3	226						
				196.40 Kern County Water Agency Berrenda Mesa - 2	0						
9	23			196.75 Kern County Water Agency Lost Hills Water Dist. - 4	367	367 6,980	0 0	0 0	0 0		
				KCWA Reach 9 Subtotal:	6,980						
				Check No. 23	197.05						
				201.24 Kern County Water Agency Lost Hills Water Dist. - 7	772						
				202.05 Kern County Water Agency Lost Hills Water Dist. - 5	881						
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0						
				205.26 Kern County Water Agency Lost Hills Water Dist. - 8	0						
				Check No. 24	207.94						
10A	24			209.71 Kern County Water Agency Belridge Water Storage Dist. - 1A	2,615	2,615 13,893 14,948	772 881 1/ 4,656	0 4,656 0	0 0 0		
				209.78 Kern National Wildlife Refuge USBR BV-1B	4,656						
					0						
				209.80 Kern County Water Agency Buena Vista WSD 1B	13,893						
					14,948						
				USBR Total:	4,656						
				KCWA Reach 10A Subtotal:	33,109						

1/ Water supplied by Rosedale Rio Bravo at O'Neill for BOR and then moved to Kern National Wildlife Refuge.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

September 2006

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Table A	USBR	Article 21	Purchase Pool A	Purchase Pool B	Other Table A		
	No.	Structure	Mile										
11B	25		210.75	Kern County Water Agency Belridge - 2	0	731							
			214.11	Kern County Water Agency Belridge - 3	731								
			216.62	Kern County Water Agency Belridge - 4	0								
			217.13	Kern County Water Agency Belridge - 5A-C	8,807	8,807							
				Kern County Water Agency Belridge - 5D	106								
		Check No. 25	217.79										
				KCWA Reach 11B Subtotal:	9,644	9,644	0	0	0	0	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0	437							
				Kern County Water Agency West Kern - 3	437								
		Check No. 26	224.92										
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0	46,087					2/ 2,239		
		Check No. 27	231.73										
	28		235.75	Kern County Water Agency Buena Vista - 2	0								
			238.04	Kern County WA CVC	48,326								
				DRWD CVC	0								
				Tulare Co.	0								
				Lower Tule River	0								
				Fresno Co.	0								
				Pixley ID	0								
				Hacienda									
				DWR Wells	0								
		Check No. 28	238.11										
				1/ Arvin Edison Total:	0	0	0	0	0	0	0		
				Reach 12E Subtotal:	48,326	46,087	0	0	0	0	2,239		
13B	29		238.19	Kern Water Bank Inflow	0	15,334			1,335	1,182			
			241.02	Kern Water Bank Outflow	17,851								
				Kern River Intertie (inflow)	0								
			242.85	KCWA Buena Vista WSD - 7	0								
				KCWA Buena Vista WSD - 5	0								
			243.09	Kern County Water Agency Buena Vista - 3	1,384								
			Check No. 29	244.54									
	30		249.85	Kern County Water Agency Buena Vista - 4	0	1,384			1,335	1,182			
				Buena Vista Pumping Plant	250.99								
					180,739								
				KCWA Reach 13B Subtotal:	19,235	16,718	0	0	1,335	1,182	0		
14A	31		254.47	Kern County Water Agency West Kern - 2	0	168							
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	168								

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Includes 766 AF of MWD Table A water delivered to Kern Delta WD for banking and 1,473 AF of Castaic Lake WA Table A water delivered to Rosedale Rio Bravo for storage.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

September 2006

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Table A	USBR	Article 21	Purchase Pool A	Purchase Pool B	Other Table A		
	No.	Structure	Mile										
14A	31	Check No. 31	256.14			436	436	0	0	0	0		
	32		258.61		Kern County Water Agency								
			Wheeler Ridge-Maricopa - 3		436								
			260.44		Kern County Water Agency								
		Check No. 32	261.72		Wheeler Ridge-Maricopa - 4								
				KCWA Reach 14A Subtotal:		2,108	2,108	0	0	0	0		
14B	33		264.42		Kern County Water Agency	3,064	3,064	0	0	0	0		
			266.91		Wheeler Ridge-Maricopa - 5								
			Check No. 33	267.36	Kern County Water Agency								
	34		270.24		Wheeler Ridge-Maricopa - 6	870	870	0	0	0	0		
			Check No. 34	271.27	Kern County Water Agency								
			Reach 14B Total:		Wheeler Ridge-Maricopa - 7								
				6,686		6,686	6,686	0	0	0	0		
14C	35		272.39		Kern County Water Agency	1,127	1,127	0	0	0	0		
			276.09		Wheeler Ridge-Maricopa - 8								
			277.30		Kern County Water Agency								
			Reach 14C Total:		Arvin-Edison WSD								
				3,860		1,920	1,920	0	0	0	1,940		
15A	36		278.13		Teerink Pumping Plant	175,760	546	0	0	0	0		
			279.02		Kern County Water Agency								
			280.06		Wheeler Ridge-Maricopa - 9A								
			Reach 15A Total:		Wheeler Ridge-Maricopa - 10								
				4,172		4,172	4,172	0	0	0	0		
16A	37		280.36		Chrisman Pumping Plant	163,776	29	0	0	0	0		
			282.06		Kern County Water Agency								
			283.95		Wheeler Ridge-Maricopa - 11								
	38		285.01		Kern County Water Agency	33	33	0	0	0	0		
			286.39		Wheeler Ridge-Maricopa - 12								
			287.06		Kern County Water Agency								
	39		287.62		Check No. 38	151	151	0	0	0	0		
			290.21		Kern County Water Agency								
	40		291.26		287.09	1,095	310	0	0	0	0		
			293.07		Kern County Water Agency								
			Kern County Water Agency		Wheeler Ridge-Maricopa - 13								
			293.07		Tehachapi Cummings CWD								
			KCWA Reach 16A Subtotal:		2,816								
17E	Edmonston Pumping Plant	293.45			162,042								

1/ MWD Table A water delivered to Arvin Edison WSD for storage.

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

September 2006

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	USBR	Article 21	Purchase Pool A	Purchase Pool B	Other Table A	
	No.	Structure	Mile								
31A	C-1	Coastal Branch Control	0.02		15,381	1,000 10,843					
		Las Perillas Pumping Plant	1.16		15,381						
	C-2		3.79	Green Valley Water District	0						
		Badger Hill Pumping Plant	4.27		15,381						
	C-3	Coastal Check No. 3	7.21								
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0						
		Coastal Check No. 4	9.34								
	C-5	Coastal Check No. 5	12.20								
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	1,000						
			14.83	Kern County Water Agency Berrenda Mesa - 1	10,843						
				Kern County Water Agency Berrenda Mesa - PO	0						
		Devil's Den Pumping Plant	14.86		3,066						
				KCWA Reach 31A Subtotal:	11,843	11,843	0	0	0	0	
				KCWA Total:	149,216	142,520	0	0	1,335	1,182	
33A	C-7	Bluestone Pumping Plant	19.05		2,838	2,745					
	C-8	Polonio Pass Pumping Plant	26.54		3,091						
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0						
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	2,745						
		Tank Site 2	58.63	Central Coast:	0						
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	370	370					
		Energy Dissipater	78.12								
	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0						
				CCWA Total:	3,115	3,115	0	0	0	0	
35	C-12	Guadalupe T.O.	102.70	SBCFC & WCD	0						
		Santa Maria T.O.	107.43	SBCFC & WCD	0						
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0						
38				SBCFC & WCD Total:	0	0	0	0	0	0	
		Tank Site 5	115.42								

Table 24. Southern Field Division Plant Data

(in acre-feet)

September 2006

Date	West Branch					East Branch								East Branch Extension			
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley	
		Generation	Bypass	Generation 1/	Pumpback 1/	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume					
28	1	1,233	1,424	0	4,868	2,165	1,081	0	2,661	3,407	3,535	0	0	3,553	21	20	2
	2	1,238	1,494	0	3,655	2,566	0	0	3,945	3,289	3,444	0	0	3,722	0	0	0
	3	2,559	1,562	0	1,932	2,730	0	0	4,271	3,731	3,603	0	0	3,694	8	0	0
	4	2,121	1,433	0	2,427	2,207	0	0	4,804	3,759	3,739	0	0	3,730	21	0	0
	5	1,393	1,504	0	3,555	607	0	0	4,146	3,546	3,659	0	0	3,776	46	25	4
	6	1,284	1,509	0	1,826	1,260	0	0	4,187	3,470	3,422	0	0	3,648	56	34	7
	7	1,116	1,538	0	4,126	435	0	0	4,294	3,513	3,648	0	0	3,590	53	23	9
	8	1,345	1,453	0	905	0	0	0	3,948	3,504	3,776	0	0	3,707	61	46	23
	9	1,530	1,512	0	1,435	770	0	0	4,602	3,898	3,368	0	0	3,704	34	28	0
	10	2,084	1,397	0	549	2,315	0	0	5,046	3,898	3,966	0	0	3,681	41	27	0
	11	1,434	1,028	0	3,304	849	0	0	4,241	3,661	3,789	0	0	3,722	66	52	27
	12	1,259	1,109	0	3,063	994	0	0	4,050	3,649	3,667	0	0	3,732	57	51	29
	13	1,456	1,198	0	2,875	1,236	0	0	4,255	3,706	3,814	0	0	3,585	55	44	30
	14	1,360	1,193	0	4,284	557	0	0	4,286	3,148	3,278	0	0	3,676	53	35	30
	15	929	1,004	0	2,086	0	0	0	4,867	4,117	3,964	0	0	3,495	25	21	27
	16	1,113	1,102	0	548	1,243	0	0	4,454	3,975	3,948	0	0	3,485	53	48	0
	17	2,019	1,013	0	907	2,628	0	0	5,190	3,919	4,070	0	0	3,527	28	26	0
	18	1,246	1,624	0	5,355	981	0	0	4,167	3,673	3,603	0	0	3,470	54	51	27
	19	1,390	1,583	0	3,376	665	0	0	4,238	4,071	3,999	0	0	3,329	54	52	29
	20	980	1,409	0	1,685	2,520	0	0	3,924	2,841	3,068	0	0	3,407	45	44	30
	21	1,376	1,322	0	2,392	622	0	0	3,818	3,405	3,482	0	0	3,252	44	42	30
	22	691	1,520	0	437	1,456	0	0	4,496	3,653	3,812	0	0	3,635	45	43	30
	23	627	213	0	405	1,072	0	0	4,442	3,967	3,806	0	0	3,787	26	25	33
	24	1,458	0	0	592	1,255	0	0	4,567	3,896	3,855	0	0	3,509	28	26	32
	25	997	1,473	0	2,901	701	0	0	4,078	3,505	3,724	0	0	3,772	54	51	26
	26	951	1,467	0	5,041	1,696	0	0	4,216	3,408	3,540	0	0	3,496	54	52	29
	27	1,056	1,628	0	2,506	0	0	0	3,860	3,656	3,401	0	0	3,570	40	38	30
	28	1,149	1,238	0	1,987	0	0	0	4,319	3,342	3,170	0	0	3,607	49	47	29
	29	800	1,367	0	2,498	907	0	0	4,290	3,233	3,095	0	0	3,630	45	43	31
	30	755	0	0	471	1,419	0	0	0	3,805	3,606	0	0	3,478	25	24	30
	Total	38,949	37,317	0	71,991	35,856	1,081	0	123,662	108,645	108,851	0	0	107,969	1,241	1,018	574

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

September 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow			United Water Agency	Computed Losses (-) And Gains (+)
				Project		Natural	Project		Natural		
				Castaic Powerplant Pumpback 1/	Warne Powerplant	Stream Flow	Castaic Powerplant Generation 1/	Recreation Deliveries	To Piru Creek		
Aug 31	2573.18	163,753									
1	2572.09	162,383	-1,370	2,165	1,424	15	4,868	0	16	0	-90.00
2	2572.37	162,734	351	2,566	1,494	14	3,655	0	16	0	-52.00
3	2574.26	165,118	2,384	2,730	1,562	14	1,932	0	16	0	26.00
4	2575.18	166,286	1,168	2,207	1,433	14	2,427	0	16	0	-43.00
5	2574.00	164,788	-1,498	607	1,504	14	3,555	0	16	0	-52.00
6	2573.88	164,637	-151	1,260	1,509	14	1,826	0	16	0	-1,092.00
7	2572.05	162,333	-2,304	435	1,538	14	4,126	0	14	0	-151.00
8	2572.47	162,860	527	0	1,453	14	905	0	14	0	-21.00
9	2573.85	164,599	1,739	770	1,512	14	1,435	0	14	0	892.00
10	2576.35	167,780	3,181	2,315	1,397	15	549	0	14	0	17.00
11	2575.21	166,324	-1,456	849	1,028	15	3,304	0	14	0	-30.00
12	2574.37	165,257	-1,067	994	1,109	14	3,063	0	14	0	-107.00
13	2574.02	164,814	-443	1,236	1,198	16	2,875	0	14	0	-4.00
14	2571.88	162,120	-2,694	557	1,193	16	4,284	0	14	0	-162.00
15	2571.02	161,046	-1,074	0	1,004	16	2,086	1	14	0	7.00
16	2572.47	162,860	1,814	1,243	1,102	16	548	0	14	0	15.00
17	2574.59	165,536	2,676	2,628	1,013	15	907	0	14	0	-59.00
18	2572.27	162,609	-2,927	981	1,624	16	5,355	0	14	0	-179.00
19	2571.26	161,345	-1,264	665	1,583	16	3,376	0	14	0	-138.00
20	2573.07	163,614	2,269	2,520	1,409	16	1,685	0	14	0	23.00
21	2572.70	163,149	-465	622	1,322	17	2,392	0	14	0	-20.00
22	2574.74	165,726	2,577	1,456	1,520	17	437	0	14	0	35.00
23	2575.36	166,515	789	1,072	213	16	405	0	14	0	-93.00
24	2575.85	167,140	625	1,255	0	16	592	0	14	0	-40.00
25	2575.24	166,362	-778	701	1,473	16	2,901	0	14	0	-53.00
26	2574.90	165,927	-435	1,696	1,467	16	5,041	0	14	0	1,441.00
27	2572.97	163,489	-2,438	0	1,628	16	2,506	0	15	0	-1,561.00
28	2572.38	162,747	-742	0	1,238	18	1,987	0	15	0	4.00
29	2572.12	162,421	-326	907	1,367	18	2,498	0	15	0	-105.00
30	2572.86	163,350	929	1,419	0	18	471	0	15	0	-22.00
Total				-403	35,856	37,317	466	71,991	1	436	0
1/ Values supplied by LADWP, not verified by DWR.											

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

September 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow		Computed Losses (-) And Gains (+)
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake	
				Natural	Project 1/			
Aug 31	1517.10	22,021						
1	1515.80	21,486	-535	4,868	0	2,165	0	3,239 1
2	1516.20	21,650	164	3,655	0	2,566	0	925 0
3	1514.20	20,837	-813	1,932	0	2,730	0	0 -15
4	1514.80	21,079	242	2,427	0	2,207	0	0 22
5	1516.00	21,568	489	3,555	0	607	0	2,461 2
6	1513.10	20,397	-1,171	1,826	0	1,260	0	1,735 -2
7	1521.70	23,970	3,573	4,126	0	435	0	0 -118
8	1516.10	21,609	-2,361	905	0	0	0	3,267 1
9	1510.40	19,338	-2,271	1,435	0	770	0	2,934 -2
10	1505.80	17,603	-1,735	549	0	2,315	0	0 31
11	1512.10	20,001	2,398	3,304	0	849	0	0 -57
12	1510.60	19,416	-585	3,063	0	994	0	2,654 0
13	1509.50	18,992	-424	2,875	0	1,236	0	2,062 -1
14	1518.60	22,648	3,656	4,284	0	557	0	0 -71
15	1518.00	22,396	-252	2,086	0	0	0	2,339 1
16	1516.20	21,650	-746	548	0	1,243	0	0 -51
17	1512.20	20,041	-1,609	907	0	2,628	0	0 112
18	1522.50	24,317	4,276	5,355	0	981	0	0 -98
19	1521.20	23,754	-563	3,376	0	665	0	3,273 -1
20	1515.60	21,405	-2,349	1,685	0	2,520	0	1,516 2
21	1519.70	23,113	1,708	2,392	0	622	0	0 -62
22	1511.20	19,649	-3,464	437	0	1,456	0	2,444 -1
23	1509.40	18,954	-695	405	0	1,072	0	0 -28
24	1507.60	18,272	-682	592	0	1,255	0	0 -19
25	1513.10	20,397	2,125	2,901	0	701	0	0 -75
26	1513.58	20,588	191	5,041	0	1,696	0	3,155 1
27	1515.53	21,376	788	2,506	0	0	0	1,718 0
28	1520.11	23,287	1,911	1,987	0	0	0	0 -76
29	1519.05	22,837	-450	2,498	0	907	0	2,040 -1
30	1516.85	21,918	-919	471	0	1,419	0	0 29
Total				-103	71,991	0	35,856	0
								-476

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

September 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries		
				Natural	Project				
Aug 31	1501.64	294,643							
1	1502.19	295,807	1,164	0	3,239	0	1,874	103 -98	
2	1501.77	294,918	-889	0	925	0	1,827	106 119	
3	1500.96	293,207	-1,711	0	0	0	1,686	0 -25	
4	1500.12	291,438	-1,769	0	0	0	1,715	0 -54	
5	1500.33	291,880	442	0	2,461	1	1,966	0 -54	
6	1500.65	292,553	673	0	1,735	0	1,928	0 866	
7	1499.66	290,473	-2,080	0	0	0	2,090	0 10	
8	1500.20	291,606	1,133	0	3,267	0	2,088	0 -46	
9	1500.11	291,417	-189	0	2,934	0	2,309	0 -814	
10	1498.94	288,965	-2,452	0	0	1	2,486	0 33	
11	1497.70	286,379	-2,586	0	0	0	2,474	0 -112	
12	1497.79	286,567	188	0	2,654	0	2,517	0 51	
13	1497.55	286,067	-500	0	2,062	0	2,483	0 -79	
14	1496.35	283,580	-2,487	0	0	1	2,434	0 -54	
15	1496.38	283,642	62	0	2,339	0	2,265	0 -12	
16	1495.31	281,434	-2,208	0	0	0	2,140	0 -68	
17	1494.26	279,278	-2,156	0	0	0	2,176	0 20	
18	1493.09	276,887	-2,391	0	0	0	2,298	0 -93	
19	1493.37	277,458	571	0	3,273	1	2,593	0 -110	
20	1493.00	276,703	-755	0	1,516	0	2,356	0 85	
21	1491.89	274,446	-2,257	0	0	0	2,249	0 -8	
22	1492.14	274,954	508	0	2,444	0	2,096	0 160	
23	1491.11	272,867	-2,087	0	0	0	2,028	0 -59	
24	1490.30	271,233	-1,634	0	0	1	1,931	0 296	
25	1489.21	269,035	-2,198	0	0	0	2,103	0 -95	
26	1489.77	270,168	1,133	0	3,155	0	2,167	0 145	
27	1489.55	269,726	-442	0	1,718	0	2,084	0 -76	
28	1488.53	267,679	-2,047	0	0	1	2,079	0 31	
29	1488.55	267,719	40	0	2,040	1	2,063	0 62	
30	1487.56	265,740	-1,979	0	0	1	2,052	0 72	
Total		-28,903		0	35,762	8	64,557	209 93	

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

September 2006

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A	Rec.	Article 21	Local	Article 14B	
	No.	Structure	Mile								
29A	42	Oso Pumping Plant	1.49		38,949						
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved			1			
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub						
29G		Warne Power Plant	14.07		37,317						
29H	W3	Pyramid Lake		USFS Pyramid Recreation (T300)	1			1			
				United WA (T300)	0						
29J	W4	Pyramid Dam	17.10	California State Park Piru Fish (T300)	0			75			
		Castaic Power Plant	25.82	(35,856 AF pumpback) 2/	71,991						
30 1/	W5	Castaic Lake		California State Park Castaic Lake Recreation (T301)	75		59,640	75			
		Castaic Dam	31.47								
		Castaic Lake Outlet	31.55	MWD 78" & 132" (T302)	59,640						
				Castaic Lake WA 18", 24" & 54" (T303)	2,385						
				Castaic Lake WA Rio Vista T.P. (T304)	2,226						
				MWD-Ventura Co. WPD (T302)	231						
				Releases to Lagoon	209						
				Reach 30 Subtotal:	64,557	64,482	75	0	0	0	
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	209		209				
		Castaic Lagoon Outlet	31.87		188						

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

September 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
							Project		Del. To Mojave W.A.	Natural To Mojave River				
Aug 31	3350.39	70,544		Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel					
1	3350.61	70,752	208	3,535	0	2	6	1	3,553	0	1	232	23	
2	3350.16	70,327	-425	3,444	0	2	7	0	3,722	0	0	-142	23	
3	3349.91	70,092	-235	3,603	0	2	5	1	3,694	0	0	-140	23	
4	3350.28	70,440	348	3,739	0	2	7	0	3,730	0	1	345	23	
5	3350.00	70,176	-264	3,659	0	2	7	0	3,776	0	0	-142	23	
6	3349.72	69,913	-263	3,422	0	2	5	1	3,648	0	0	-33	23	
7	3349.86	70,045	132	3,648	0	2	6	0	3,590	0	1	79	23	
8	3349.88	70,063	18	3,776	0	2	7	1	3,707	0	0	-45	23	
9	3349.43	69,641	-422	3,368	0	2	5	1	3,704	0	0	-82	23	
10	3349.86	70,045	404	3,966	0	2	7	0	3,681	0	1	125	23	
11	3349.91	70,092	47	3,789	0	29	7	0	3,722	0	0	-42	23	
12	3349.74	69,932	-160	3,667	0	34	6	1	3,732	0	0	-122	23	
13	3350.05	70,223	291	3,814	0	11	6	0	3,585	0	1	58	23	
14	3349.60	69,800	-423	3,278	0	5	6	0	3,676	0	0	-24	23	
15	3349.94	70,120	320	3,964	0	3	4	1	3,495	0	0	-147	23	
16	3350.67	70,809	689	3,948	0	3	3	1	3,485	0	0	227	23	
17	3351.09	71,207	398	4,070	0	2	4	0	3,527	0	0	-143	23	
18	3351.26	71,368	161	3,603	0	2	3	1	3,470	0	0	30	23	
19	3352.07	72,140	772	3,999	0	2	4	0	3,329	0	1	105	23	
20	3351.63	71,720	-420	3,068	0	1	4	0	3,407	0	0	-78	23	
21	3351.91	71,987	267	3,482	0	1	3	1	3,252	0	0	40	23	
22	3351.99	72,063	76	3,812	0	1	4	0	3,635	0	1	-97	23	
23	3352.47	72,523	460	3,806	0	1	4	0	3,787	0	0	444	23	
24	3352.75	72,791	268	3,855	0	1	3	1	3,509	0	0	-75	23	
25	3352.64	72,686	-105	3,724	0	1	4	0	3,772	0	1	-53	23	
26	3352.91	72,941	255	3,540	0	1	4	0	3,496	0	0	214	23	
27	3352.52	72,571	-370	3,401	0	1	2	1	3,570	0	0	-199	23	
28	3352.05	72,121	-450	3,170	0	1	4	0	3,607	0	0	-10	23	
29	3351.51	71,606	-515	3,095	0	1	5	0	3,630	0	0	24	23	
30	3351.82	71,901	295	3,606	0	1	3	1	3,478	0	1	171	23	
Total				1,357	108,851	0	122	145	13	107,969	0	9	520	690

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

September 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Aug 31	1561.54	71,753				
1	1561.62	71,902	149		36	
2	1561.68	72,013	111		75	
3	1561.70	72,050	37		35	
4	1561.79	72,217	167		35	
5	1561.73	72,106	-111		110	
6	1561.73	72,106	0		109	
7	1561.46	71,605	-501		45	
8	1561.37	71,439	-166		46	
9	1561.43	71,550	111		45	
10	1561.43	71,550	0		45	
11	1561.37	71,439	-111		27	
12	1561.43	71,550	111		6	
13	1561.26	71,235	-315		6	
14	1561.37	71,439	204		5	
15	1561.37	71,439	0		5	
16	1561.26	71,235	-204		6	
17	1561.24	71,199	-36		6	
18	1561.26	71,235	36		6	
19	1561.35	71,402	167		5	
20	1561.26	71,235	-167		5	
21	1561.26	71,235	0		5	
22	1561.35	71,402	167		6	
23	1561.35	71,402	0		5	
24	1561.43	71,550	148		5	
25	1561.46	71,599	49		6	
26	1562.06	72,701	1,102		5	
27	1561.46	71,605	-1,096		6	
28	1561.40	71,494	-111		6	
29	1561.54	71,753	259		5	
30	1561.57	71,809	56		5	
Total			56	2,926	712	-2,158

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

September 2006

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending		No.			Table A	Rec.	Article 21	Transfer	Local	Purchase Pool A	
	No.	Structure	Mile									
17E	40	Edmonston Pumping Plant	293.45		162,042	244						
	41		298.65	KCWA Tej.-Cas	Stub							
17F		Check No. 41	303.41									
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0							
		Check No. 42	304.99									
19	43	Alamo Powerplant	305.73	(Includes 1,081 AF of generation and 123,662 AF of flow down Cottonwood Chute)	124,743							
			306.71	AVEK 305th Street West (T287)	244							
			308.05	AVEK 294th Street West (T267)	0							
		Check No. 43	309.70									
	44		311.84	LADWP Connection	0							
			313.50	AVEK 245th Street West (T269)	0							
	Check No. 44		314.81									
	45		314.93	AVEK 235th Street West (T270)	0							
			315.57	AVEK 225th Street West (T271)	0							
	Check No. 45		319.74									
	46		323.19	Antelope Valley-East Kern WA Fairmont (T272)	1,712							
				Mojave Water Agency Fairmont (T272)	126							
		Check No. 46	323.84									
				Reach 19 Total:	2,082							
20A	47	Check No. 47	326.77			5,549						
	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	0							
			329.65	Antelope Valley-East Kern WA 120th Street West	Re-moved							
		Check No. 48	330.82									
	49	Check No. 49	335.93									
20B	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	5,549							
			339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	0							
			340.92	AVEK WA-Temp (T387)	15							
	Check No. 50		341.51									
	51		342.06	AVEK WA-Temp (T386)	11							
		Check No. 51	342.07									
	52		342.95	Antelope Valley-East Kern WA 30th Street West (T414)	0							
21	Check No. 52		343.74									
	53		348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	93							
		Check No. 53	348.17									
		Check No. 54	350.25									
	55	Check No. 55	352.70									
22A	56	Check No. 56	354.76			1,767						
	57		354.97	AVEK WA-Delivered through Littlerock Creek ID (T278)	0							
			354.97	Palmdale WD (T276)	1,767							
			354.97	Palmdale WD (T391)	0							
	Check No. 57		356.93									
22A	58		357.60	AVEK 95th Street East (T279)	0	627						
			357.72	AVEK 96th Street East (T280)	111							
			359.76	AVEK East Side Treatment Plant (T281)	627							

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

September 2006

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Mile			Table A	Rec.	Article 21	Transfer	Local	Purch. Pool A		
	No.	Structure											
22B	58	Pearblossom Pumping Plant	360.61	AVEK Big Rock Siphon (T368)	108,645	645	896	1/ 690	13	145	4,250		
	59	Check No. 59	366.09										
	60		366.50		0								
		Check No. 60	373.94										
	61	Check No. 61	379.00										
	62	Check No. 62	384.26										
	63		389.20		Mojave Water Agency								
		Check No. 63			White Road 24" & 42" (T282)	645							
	64	Check No. 64	395.10										
	65	Check No. 65	400.32										
23	66		401.10		Mojave Water Agency								
		Check No. 66	403.41		Morongo 24" & 42" (T284)	896							
24	67	Mojave Siphon	405.58	Las Flores Ranch Exchange	690	145	13	1/ 690	13	145	4,250		
		Mojave Siphon Powerplant	405.65		108,851								
25		Silverwood Lake	407.65	MWA CS DAM (T288)	0								
				California State Park Silverwood (T288)	13								
26A		San Bernardino Intake Tunnel	407.70	Crestline-Lake Arrowhead WA State Project Water (T289)	145								
					107,969								
28G	68	Devil Canyon Afterbay Control Structures	412.88	Devil Canyon Powerplant	107,969	2/ 5,726	11,656	2/ 5,726	11,656	52,424	4,250		
				MWD-Rialto (T292)	0								
				MWD-Rialto (T293)	0								
				Desert Water Agency Transfer (T293)	4,250								
				Coachella Valley WD Transfer (T293)	52,424								
				MWD EBX-1 (T290)	0								
				MWD EBX-1 (T291)	11,656								
				East Branch Extension	5,726								
28H	69	Santa Ana Valley Pipeline	425.46			11,513	20,439	11,513	164	548	4,250		
			433.06	MWD-SC Box Springs (T295)	11,513								
			440.05	MWD-SC Perris Bypass Pipeline (T296)	20,439								
28J			442.00	MWD-SC (T297)	164								
	443.44	Lake Perris		MWD-SC 54" & 78" (T299)	548	548	0	0	0	0	4,250		
				Calif. State Park Lake Perris Recreation (T298)	0								
				MWD Total:	160,865	160,865	0	0	0	0	0		

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow

2/ Includes 3,268 AF to San Gabriel Valley MWD, 1,754 AF to San Bernardino Valley MWD, and 734 AF to San Gorgonio Pass WA.

Table 32. Water Quality At Selected SWP Locations

September 2006

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	35	85	64	63	61	55	58	63	63
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.2	0.1	0.1	<0.1	<0.1	<0.1	0.1	0.1
Bromide	mg/l	<0.01	0.03	0.09	0.12	0.10	0.11	0.11	0.12	0.13
Calcium	mg/l	7	15	14	18	14	15	14	15	16
Carbon - Dissolved Organic	mg/l as C	NR	3.1	2.4	2.7	2.7	2.6	2.6	2.6	2.7
Carbon - Total Organic	mg/l as C	NR	4.2	3.2	3.4	3.0	3.0	3.0	3.0	3.7
Chloride	mg/l	<1	12	28	37	30	33	33	35	42
Chromium	mg/l	<0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
Copper	mg/l	<0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Fluoride	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness	mg/l as CaCO ₃	30	83	72	82	68	75	68	75	77
Iron	mg/l	0.005	<0.005	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	3	11	9	9	8	9	8	9	9
Manganese	mg/l	<0.005	0.026	0.013	<0.005	0.010	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	<0.01	0.09	0.30	NR	0.42	0.46	0.36	0.40	0.33
Phosphorus-Ortho	mg/l as P	<0.01	0.07	0.04	NR	0.07	0.06	<0.01	0.07	0.07
Phosphorus-Total	mg/l	0.01	0.14	0.06	NR	0.09	0.06	0.09	0.08	0.14
Selenium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	mg/l	3	18	24	31	24	26	26	27	32
Specific Conductance	µS/cm	75	240	256	336	271	281	263	290	323
Sulfate	mg/l	1	15	16	31	18	19	18	20	24
Total Dissolved Solids	mg/l	46	133	142	192	150	162	154	164	NR
Turbidity	NTU	2	43	12	10	4	4	4	4	11
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

September 2006

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Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in milliSiemens/cm									Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chippis Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md
1	3.49	1.64	7,418	7,418	14,571	1.07	4.72	0.26	0.24	0.42	0.41	0.26	0.50	0.28	44
	3.69	1.80	7,307	7,363	14,531	1.15	5.41	0.28	0.24	0.44	0.41	0.26	0.45	0.27	40
	3.69	1.75	7,557	7,427	14,596	1.17	5.27	0.31	0.23	0.44	0.40	0.26	0.43	0.26	42
	3.69	1.61	7,711	7,498	14,672	1.16	4.80	0.30	0.23	0.41	0.40	0.26	0.46	0.25	42
	3.75	1.42	7,898	7,578	14,722	1.07	3.90	0.29	0.24	0.40	0.40	0.26	0.48	0.24	41
	3.41	1.30	8,079	7,662	14,951	0.87	3.63	0.22	0.23	0.35	0.40	0.26	0.59	0.26	40
	3.58	1.51	7,734	7,672	14,784	0.90	4.46	0.22	0.23	0.35	0.40	0.26	0.59	0.26	39
	3.62	1.73	7,555	7,657	14,897	1.29	5.49	0.33	0.24	0.42	0.40	0.26	0.50	0.25	42
	3.22	1.49	7,147	7,601	14,689	1.19	4.82	0.27	0.25	0.40	0.40	0.27	0.51	0.25	42
	3.25	1.36	8,244	7,665	15,630	1.09	4.03	0.23	0.25	0.38	0.40	0.27	0.60	0.23	43
	3.40	1.28	8,561	7,746	15,794	1.08	3.95	0.24	0.25	0.37	0.40	0.27	0.63	0.24	43
	3.46	1.33	8,686	7,825	15,862	1.11	4.02	0.24	0.26	0.39	0.40	0.26	0.57	0.24	42
	3.70	1.62	9,551	7,957	15,853	1.23	4.59	0.28	0.26	0.42	0.40	0.26	0.51	0.23	43
	4.24	2.30	9,095	8,039	15,936	1.58	6.18	0.23	0.27	0.38	0.40	0.26	0.52	0.23	43
	3.69	2.05	8,956	8,100	15,785	1.29	5.02	0.29	0.27	0.45	0.40	0.27	0.45	0.00	40
	3.15	1.53	10,074	8,223	16,651	1.00	3.38	0.27	0.27	0.38	0.40	0.26	0.49	0.00	40
	3.15	1.33	9,738	8,312	16,336	0.84	2.90	0.25	0.26	0.36	0.39	0.26	0.52	0.00	40
	3.22	1.47	10,402	8,428	16,344	0.86	3.32	0.24	0.26	0.37	0.39	0.27	0.52	0.00	42
	3.38	1.62	9,972	8,510	16,186	0.91	3.78	0.25	0.26	0.37	0.39	0.27	0.51	0.29	31
	3.29	1.44	9,479	8,558	16,185	0.87	3.35	0.22	0.26	0.36	0.39	0.26	0.53	0.31	41
	3.05	1.42	9,192	8,588	15,934	0.83	3.40	0.21	0.26	0.35	0.39	0.26	0.53	0.31	41
	3.09	1.53	9,052	8,609	15,431	0.84	3.34	0.21	0.25	0.37	0.38	0.26	0.55	0.30	43
	3.06	1.51	9,387	8,643	15,032	0.86	3.57	0.20	0.24	0.35	0.38	0.40	0.49	0.31	43
	3.23	1.51	8,879	8,653	14,498	0.88	3.74	0.20	0.24	0.35	0.38	0.26	0.55	0.31	42
	3.24	1.54	8,278	8,638	14,182	0.92	3.84	0.21	0.24	0.35	0.37	0.26	0.63	0.31	40
	3.59	1.71	7,960	8,612	13,909	1.03	4.36	0.24	0.24	0.37	0.37	0.26	0.59	0.30	39
	3.60	1.88	7,758	8,580	13,625	0.88	4.71	0.24	0.23	0.39	0.37	0.26	0.54	0.30	36
	3.60	1.91	7,490	8,541	13,419	1.03	4.59	0.24	0.23	0.39	0.37	0.27	0.50	0.30	34
	3.74	1.98	6,991	8,488	12,919	1.13	4.93	0.28	0.23	0.41	0.37	0.40	0.48	0.30	34
	3.62	1.99	6,353	8,417	12,490	1.14	4.71	0.30	0.24	0.41	0.37	0.40	0.49	0.30	33

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

f = Excess Delta conditions with fish concerns.

N.R. = No Record.

r = Excess delta conditions with export/inflow ratio concerns.

N.C. = Not computed due to insufficient data.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

September 2006

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
NORTH BAY AQUEDUCT	September 20, 2006	Triclopyr	0.20
BARKER SLOUGH PUMPING PLA	September 20, 2006	2,4-D	0.10
HARVEY O.BANKS	September 20, 2006	2,4-D	0.20
DELTA PUMPING PLANT			
O'NIELL FOREBAY OUTLET	September 20, 2006	2,4-D	0.10
CHECK 13			
DELTA MENDOTA CANAL	September 20, 2006	2,4-D	0.40
UPSTREAM OF McCABE ROAD			
CALIFORNIA AQUEDUCT NEAR	September 19, 2006	2,4-D	0.10
KETTLEMAN CITY (CK 21)			
CALIFORNIA AQUEDUCT NEAR	September 19, 2006	2,4-D	0.20
HYW 119 (CHECK 29)			
CALIFORNIA AQUEDUCT AT	September 20, 2006	2,4-D	0.10
TEHACHAPI AFTERBAY (CK 41)		Chlorpyrifos	0.01
DEVIL CANYON HEAD WORKS	June 21, 2006	N.D.	-

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh) Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
	1	8,792,610	6,800	48,150	43,060	4,091,510	4,091,510	483,660
2	4,408,120	10,420	48,120	41,070	3,953,430	3,953,430	490,830	340
3	5,250,440	7,540	43,510	40,310	4,089,430	4,089,430	487,050	330
4	5,785,050	0	43,440	40,560	4,066,600	4,066,600	497,470	330
5	8,485,300	8,580	47,510	40,830	3,954,220	3,954,220	480,970	340
6	10,263,010	0	46,980	42,100	4,112,640	4,112,640	455,200	350
7	9,749,300	8,010	43,120	37,860	4,021,340	4,021,340	440,180	340
8	9,445,350	8,870	40,320	36,220	4,095,780	4,095,780	408,110	320
9	4,499,260	0	46,260	38,910	4,025,630	4,025,630	387,970	390
10	3,359,250	0	41,840	38,820	3,989,420	3,989,420	387,940	410
11	7,140,150	0	40,650	38,490	4,101,650	4,101,650	387,670	330
12	9,112,850	0	46,880	39,450	4,128,630	4,128,630	397,610	340
13	9,255,350	340	53,310	41,890	4,121,160	4,121,160	395,460	350
14	9,373,110	120	43,660	41,310	4,117,330	4,117,330	368,200	330
15	8,242,070	2,350	41,110	38,740	3,881,420	3,881,420	340,670	370
16	5,950,470	4,040	42,760	40,120	3,978,580	3,978,580	324,830	450
17	1,613,920	3,740	47,890	39,760	3,994,940	3,994,940	320,570	400
18	7,653,340	910	44,130	41,890	3,895,020	3,895,020	359,060	330
19	9,207,020	120	38,840	38,420	3,950,150	3,950,150	446,800	320
20	6,752,990	1,780	41,030	39,470	3,959,540	3,959,540	472,930	350
21	5,082,780	2,240	45,040	40,440	3,981,380	3,981,380	485,230	330
22	6,884,860	2,240	41,950	40,570	3,960,880	3,960,880	464,780	330
23	4,033,260	2,420	40,570	39,690	4,010,920	4,010,920	465,580	320
24	1,969,080	2,070	44,380	41,430	3,966,030	3,966,030	455,070	320
25	5,804,490	2,480	44,090	41,770	3,983,020	3,983,020	445,400	320
26	5,222,180	920	42,640	38,050	3,993,990	3,993,990	256,730	320
27	4,922,580	3,390	37,330	35,120	3,997,950	3,997,950	339,020	380
28	5,228,800	2,020	36,650	33,040	4,027,710	4,027,710	316,350	450
29	4,812,810	2,300	36,140	33,550	3,934,740	3,934,740	315,140	510
30	4,688,440	3,280	34,770	31,520	4,062,530	4,062,530	317,560	570
Total	192,988,240	86,980	1,293,070	1,174,460	120,447,570	120,447,570	12,194,040	10,920

Table 36. San Luis Field Division Energy Data

(in kWh)

September 2006

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	2,184,080	1,632,080	1,708,780	1,460,780	2,210,250	2,210,250
2	1,916,540	1,364,540	1,158,520	910,520	2,637,120	2,637,120
3	2,240,320	1,688,320	761,380	265,380	1,454,880	1,454,880
4	1,890,320	1,338,320	680,770	308,770	2,204,700	2,204,700
5	1,991,920	1,439,920	968,900	658,900	1,161,060	1,161,060
6	1,982,530	1,430,530	1,125,150	815,150	1,627,000	1,627,000
7	1,978,850	1,562,850	1,159,050	1,159,050	2,520,110	2,250,110
8	1,938,030	1,522,030	814,020	814,020	1,756,560	1,756,560
9	2,008,420	1,592,420	1,113,280	1,113,280	1,829,960	1,829,960
10	2,311,450	1,903,450	209,590	209,590	1,675,670	1,675,670
11	1,943,060	1,527,060	948,460	948,460	1,521,090	1,521,090
12	1,919,200	1,503,200	0	0	1,377,980	1,377,980
13	2,020,650	1,604,650	0	0	2,212,970	1,396,970
14	1,828,020	1,412,020	770	770	1,387,610	571,610
15	1,783,560	1,367,560	0	0	821,300	293,300
16	1,817,260	1,401,260	0	0	585,830	-26,170
17	1,684,450	1,276,450	0	0	1,451,300	1,451,300
18	1,487,050	1,071,050	0	0	2,172,010	2,172,010
19	1,707,550	1,387,550	185,430	-570	2,085,080	2,085,080
20	1,745,710	1,425,710	0	0	2,336,310	1,724,310
21	1,812,800	1,604,800	741,920	741,920	1,169,150	557,150
22	1,611,770	1,403,770	0	0	725,910	11,910
23	1,526,110	1,318,110	0	0	731,370	323,370
24	1,574,620	1,358,620	0	0	2,081,000	1,775,000
25	1,538,910	1,330,910	0	0	1,313,200	1,007,200
26	1,581,030	1,373,030	0	0	1,890,200	1,890,200
27	1,707,520	1,571,520	0	0	2,232,570	1,088,570
28	1,708,230	1,572,230	0	0	1,135,710	829,710
29	1,761,640	1,625,640	0	0	1,123,220	409,220
30	1,558,080	1,422,080	0	0	1,045,680	535,680
Total	54,759,680	44,031,680	11,576,020	9,406,020	48,476,800	39,802,800

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

September 2006

(in kWh)

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	44,500	115,070	68,630	65,360	69,100	1,434,520	1,451,150	3,150,090	11,365,220
2	50,150	128,910	72,870	69,150	73,990	1,406,740	1,460,000	3,174,910	11,528,840
3	49,830	125,500	83,480	79,780	83,260	1,741,870	1,891,500	4,183,550	15,172,410
4	42,960	105,040	65,390	60,800	66,180	1,721,260	1,876,490	4,117,470	15,115,030
5	51,390	128,470	58,040	54,600	59,470	1,513,760	1,546,850	3,335,620	11,969,640
6	46,780	118,940	71,810	69,200	70,790	1,479,270	1,521,140	3,315,030	11,887,260
7	46,860	121,140	80,130	76,700	80,140	1,445,150	1,476,120	3,232,470	11,715,540
8	44,980	115,640	78,800	74,670	77,930	1,413,520	1,448,880	3,175,400	11,537,910
9	40,720	106,740	74,710	70,310	75,630	1,610,790	1,685,070	3,748,710	13,640,320
10	35,430	90,860	61,970	58,800	63,900	1,710,640	1,875,680	4,186,310	15,355,820
11	34,430	87,940	62,000	58,190	62,340	1,445,950	1,525,630	3,349,780	12,195,170
12	46,270	119,010	65,940	62,530	67,220	1,381,220	1,479,280	3,234,200	11,683,220
13	47,010	120,220	65,750	61,580	66,450	1,477,950	1,527,790	3,332,450	12,159,420
14	50,860	123,830	77,730	74,280	78,830	1,499,670	1,559,060	3,406,350	12,244,370
15	36,400	93,470	83,050	80,230	82,310	1,505,730	1,507,020	3,322,960	11,996,940
16	36,870	95,090	93,920	89,730	94,390	1,417,520	1,570,330	3,430,130	12,496,650
17	36,350	88,330	79,830	76,060	80,040	1,788,230	1,885,780	4,180,790	15,170,760
18	38,000	96,470	70,790	67,720	71,470	1,403,540	1,514,850	3,302,340	12,053,750
19	42,140	107,430	83,500	79,700	82,440	1,494,690	1,532,780	3,299,700	12,024,990
20	39,710	100,970	73,000	69,990	73,340	1,347,560	1,374,310	2,920,790	10,709,330
21	40,410	102,260	87,280	83,330	86,510	1,384,490	1,390,620	2,986,190	10,971,640
22	37,110	96,410	76,460	72,660	76,610	1,267,030	1,320,760	2,867,460	10,216,930
23	43,980	112,720	68,040	64,540	68,070	1,391,410	1,403,660	3,021,130	10,971,800
24	39,930	103,200	96,960	92,720	96,320	1,441,780	1,622,690	3,574,990	13,421,590
25	30,990	76,800	66,490	61,460	67,070	1,351,900	1,410,520	3,048,880	11,033,470
26	38,530	99,850	67,590	65,220	67,430	1,375,430	1,407,880	3,040,540	11,086,850
27	33,320	82,850	57,390	53,900	58,890	1,312,620	1,343,250	2,890,230	10,505,650
28	28,490	70,550	65,160	61,190	65,450	1,356,610	1,400,380	3,022,570	11,060,550
29	26,120	67,890	55,060	51,660	56,260	1,361,840	1,426,250	3,097,450	11,209,480
30	30,700	81,460	73,660	69,590	74,810	1,373,230	1,419,380	3,052,680	11,061,790
Total	1,211,220	3,083,060	2,185,430	2,075,650	2,196,640	43,855,920	45,855,100	100,001,170	363,562,340

Table 38. Southern Field Division Energy Data

(in kWh)

September 2006

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green Spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	328,921	795,370	1,440,000	123,348	2,290,140	4,225,910	264,112	14,889	17,135	797
2	327,871	844,860	1,440,000	0	2,211,067	4,397,063	269,185	1,787	704	619
3	683,188	879,120	1,440,000	0	2,501,406	4,385,562	281,903	6,678	704	610
4	561,931	805,350	1,440,000	0	2,524,656	4,364,438	288,845	14,123	704	647
5	369,446	849,860	1,440,000	0	2,374,885	4,423,695	283,623	31,006	21,381	1,041
6	340,307	851,530	1,440,000	0	2,329,462	4,331,833	258,703	36,948	28,554	1,294
7	295,208	861,380	1,440,000	0	2,368,524	4,277,077	288,479	34,944	19,476	1,426
8	355,059	853,430	1,440,000	0	2,346,032	4,383,653	295,154	39,383	38,605	1,107
9	403,158	848,340	1,440,000	0	2,612,682	4,398,457	270,609	22,412	23,881	460
10	546,545	798,190	1,440,000	0	2,612,313	4,368,147	303,372	27,234	22,671	478
11	377,505	599,380	960,000	0	2,457,089	4,394,393	297,409	42,664	43,080	572
12	332,822	638,800	960,000	0	2,455,374	4,420,006	288,528	36,515	43,020	535
13	384,149	693,100	960,000	0	2,485,992	4,272,538	293,414	35,828	36,799	497
14	358,703	692,120	960,000	0	2,123,809	4,354,153	261,481	33,579	29,487	460
15	246,485	609,940	960,000	0	2,758,156	4,174,387	300,059	15,871	17,909	385
16	292,515	634,690	960,000	0	2,680,808	4,149,782	296,440	33,765	42,792	375
17	530,634	615,810	960,000	0	2,632,891	4,213,825	295,441	18,434	22,076	403
18	330,515	951,510	960,000	0	2,466,710	4,145,510	267,949	34,168	42,574	488
19	369,792	923,670	960,000	0	2,726,361	3,993,720	297,498	34,512	43,477	441
20	262,446	839,610	960,000	0	1,910,688	4,072,231	233,129	28,825	36,234	422
21	307,208	784,500	960,000	0	2,283,250	3,918,374	271,974	27,814	34,706	460
22	185,861	876,090	960,000	0	2,504,187	4,243,038	286,462	28,717	36,035	385
23	167,980	130,630	960,000	0	2,670,050	4,154,895	282,585	17,128	20,706	385
24	390,901	0	960,000	0	2,622,164	4,199,525	282,931	18,356	21,957	422
25	267,426	852,500	960,000	0	2,353,539	4,465,279	269,333	34,198	42,941	497
26	252,911	853,210	960,000	0	2,290,369	4,174,357	259,177	34,473	43,675	469
27	252,356	921,920	960,000	0	2,274,776	4,247,547	259,909	25,231	32,196	478
28	305,901	732,280	960,000	0	2,246,630	4,306,379	243,493	31,202	39,210	544
29	214,366	794,030	960,000	0	2,165,304	4,312,322	235,097	28,786	36,045	506
30	200,782	0	960,000	0	2,557,647	4,171,578	276,276	16,667	20,310	488
Total	10,242,891	21,531,220	33,600,000	123,348	72,836,959	127,939,676	8,302,571	806,138	859,044	17,689

1/ Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations.